

# AN ENTERPRISE MAKING THE FUTURE TOGETHER

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## 인사말

(주)한미이엔지는 1996년에 설립되어 고무케이블, 이산화탄소 용접용 케이블, 실리콘케이블, 자동차용케이블, Material Pellet Compound을 생산·공급하고 있습니다.

특히, 이산화탄소 용접용 케이블은 이미 제품의 우수성을 인정받아 중공업 3사 및 기타 중공업에 자사의 기술력과 품질의 우수성을 자랑하고 있으며, 또한 산업용 특수케이블에 대한 개발 및 품질 향상으로 Travelling Cable 전문기업으로 성장하고 있습니다.

(주)한미이엔지 임직원 일동은 끊임없는 연구개발 및 품질향상으로 고객 여러분이 가장 믿고 신뢰할 수 있는 파트너가 될 수 있도록 최선의 노력을 다하겠습니다.

변함없는 관심과 애정으로 지켜봐 주시기 바랍니다.

감사합니다.

(주)한미이엔지  
대표이사 허수범



## 연혁

2014 ~ 2000	2014. 10	제10회 천안시기업인대회 우수기업인상 수상
	2014. 08	KSQ ISO 9001:2009 / ISO 9001:2008 인증취득
	2014. 08	KS I ISO 14001:2009 / ISI 14001:2004 인증취득
	2014. 02	할로겐프리, 난연성 재료라인 양산,공급시작
	2013. 09	이노비즈 협회 '2013 취업하고 싶은 기업' 선정
	2012. 09	이노비즈 협회 '2012 취업하고 싶은 기업' 선정
	2012. 06	IBK 기업은행 기술강소기업 인증 취득
	2012. 04	한국산업기술진흥협회 기업부설연구소 설립
	2010. 11	기술보증기금 벤처기업확인
	2010. 10	기술혁신형 중소기업(INNO-BIZ)갱신
	2009. 08	특허증(내열성 용접케이블용 피복조성물의 제조방법 - 내열성 친환경 피복재료)
	2008. 08	KSA 9001:2001 / ISO 9001:2000 인증(갱신심사)
	2007. 06	기술혁신형 중소기업(INNO-BIZ)
	2006. 09	KS 인증 취득 (0.6/1kV EP 고무절연 클로로프렌 캡타이어 케이블 KS C IEC60502-1)
	2006. 09	KS 인증 취득(용접용케이블 KS C IEC60245-6)
	2006. 06	전기용품 안전인증(K60502-1 0.6/1kV PNCT) 취득
	2006. 03	(주)한미이엔지 공장이전(천안시 수신면)
	2005. 08	KSA 9001:2001/ ISO 9001:2000 인증(갱신심사)
	2005. 07	특허증(이산화탄소 가스 용접기용 케이블 및 그의 제조방법)
	2005. 04	실용실안 등록증(자동차의 배터리 연결용 케이블)
	2005. 03	전기용품 안전인증(K60245 IEC 81, 82) 취득
	2004. 01	(주)한미이엔지 법인등록
	2003. 09	전기용 안전인증(CR LEAD WIRE) 취득
2003. 01	실용신안 등록증(이산화탄소가스 용접기용 케이블)	
2002. 10	전기용품 안전인증(고무 캡타이어 케이블, 캡타이어 코오드) 취득	
2002. 08	KSA 9001:2001/ ISO 9001:2000 인증 취득	
2002. 06	한미엔지니어링 공장 이전(천안시 직산읍)	
1996	1996. 11	한미엔지니어링 설립



# GREETING

Hanmi ENG Inc. was founded in 1996 and has been producing and supplying the rubber cable, CO<sub>2</sub> welding cable, silicon cable, automobile cable, and material pellet compound. Especially, it boasting of its technology and quality excellence to heavy industry 3 firms and other heavy industries as CO<sub>2</sub> welding cable was already recognized with its superiority.

Also, Hanmi ENG Inc. is growing as a traveling cable-specializing company with the development of the industrial special cable and with the quality improvement.

All of the Hanmi ENG Inc. executives and employees will do our best to be a partner you customers to believe and trust the most with the endless research/development and the quality improvement.

Please keep watching us with the unchangeable concern and affection.  
Thank you

Hanmi ENG Inc.  
ceo Heo Su-Beom,



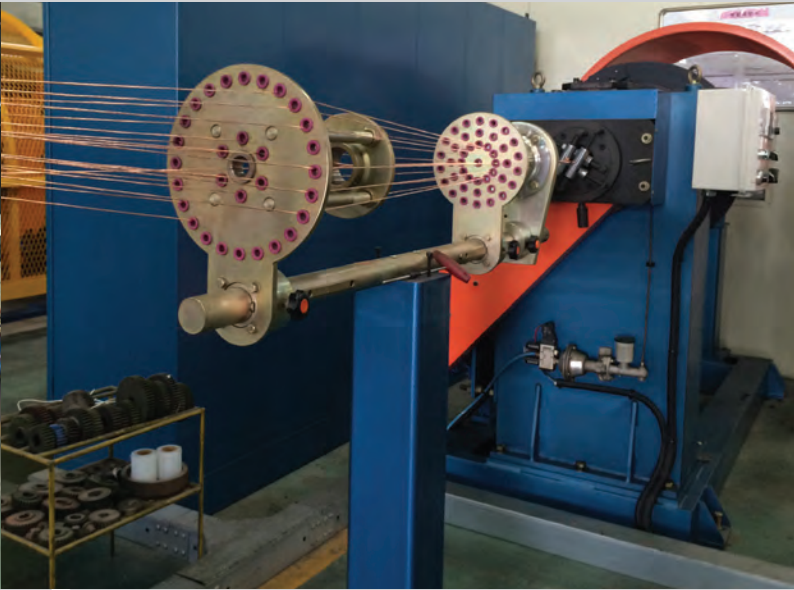
# HISTORY

2014	2014. 10	The 10th Corporate Excellence Award competition Cheonan company
	2014. 08	KSQ ISO 9001:2009 / ISO 9001:2008 certificate
~	2014. 08	KSI ISO 14001:2009 / ISI 14001:2004 certificate
	2014. 02	Halogen-free, flame-retardant materials production lines, supply starts
2000	2013. 09	Selected as an "enterprise everybody hopes to join in 2013" by the INNOBIZ Association
	2012. 09	Selected as an "enterprise everybody hopes to join in 2012" by the INNOBIZ Association
	2012. 06	Acquired a strong and small technology enterprise certificate from IBK
	2012. 04	Established a corporate R&D center with Korea Industrial Technology Association
	2010. 11	Certified as a venture enterprise by Korea Technology Finance Corporation
	2010. 10	Renewed as an INNOBIZ
	2009. 08	Acquired a patent (How to manufacture coating compositions for heat resistant welding cables - Heat-resistant eco-friendly coating materials)
	2008. 08	Certified for KSA 9001:2001 / ISO 9001:2000 (Renewal examination)
	2007. 06	Certified as an INNOBIZ
	2006. 09	Acquired a KS certificate (0.6/1kV EP rubber-insulated chloroprene cabtyre cable KS C IEC60502-1)
	2006. 09	Acquired a KS certificate(Cable for welding KS C IEC60245-6)
	2006. 06	Acquired an electric appliance safety certificate (K60502-1 0.6/1kV PNCT)
	2006. 03	Moved the factory of HANMI ENG (Susin-myeon, Cheonan city)
	2005. 08	Certified for KSA 9001:2001/ISO 9001:2000 (Renewal examination)
	2005. 07	Obtained a patent(Cable for carbon dioxide gas welder and its manufacturing method)
	2005. 04	Registered a practical new design(Cable for connecting car batteries)
	2005. 03	Acquired an electric appliance safety certificate(K60245 IEC 81, 82)
	2004. 01	Registered HANMI ENG Co., Ltd. as a corporation
	2003. 09	Acquired an electric safety certificate(CR LEAD WIRE)
	2003. 01	Registered a practical new design(Cable for carbon dioxide gas welder)
	2002. 10	Acquired an electric appliance safety certificate(rubber cabtyre cable, cabtyre cord)
	2002. 08	Acquired a KSA 9001:2001/ISO 9001:2000 certificate
	2002. 06	Moved the factory of HANMI ENG(Jiksan-eup, Cheonan city)

1996 1996.11 Hanmi Engineering was incorporated.



# EQUIPMENT









# RUBBER INSULATED CABLES

고무절연케이블





## RUBBER INSULATED CABLES | 고무절연 케이블

### RUBBER INSULATED FLEXIBLE CABLE | 고무절연 캠타이어 케이블

0.6/1KV PNCT  
0.6/1KV PNCT-R  
0.6/1KV PNCT-F  
0.6/1KV PNCT-S  
0.6/1KV PNCT(R)-S

### ETHYLENE PROPYLENE RUBBER INSULATED CABLE | 고무절연케이블

60245 KS IEC 53  
60245 KS IEC 57  
60245 KS IEC 66  
H07RN-F

### WELDING CABLE | 용접용 케이블

60245 KS C IEC 81/82

### CABLE FOR THE VEHICLE | 차량용 케이블

600V WL1  
1500V WL2  
3300V MLFC  
6600V MLFC

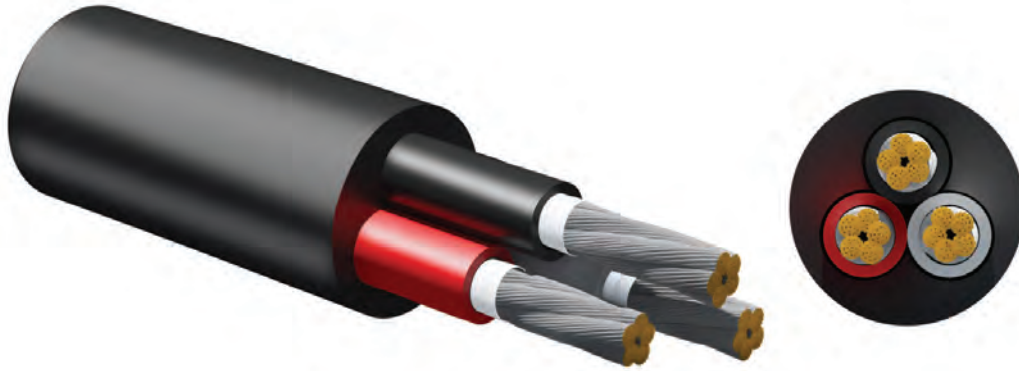
### RUBBER LEAD WIRE | 고무절연 전선

CR LEAD WIRE  
M13486(국방 TYPE)





# 0.6/1KV PNCT



캡타이어 케이블은 강한 시이즈를 가진 케이블의 총칭입니다. 이 케이블은 광산, 농장, 건설현장 등에서 0.6/1KV 이하의 이동용 전기기기의 배선에 사용되는 전선으로서 탄력성이 양호한 클로로프렌 고무로 피복되어 충격, 마찰, 굴곡등의 기계적 내성이 높고, 내수 내열, 내산 및 내알카리성 등의 화학적 내성이 강하므로 이 분야의 용도로 널리 사용됩니다. 단일 시스 구조의 PNCT와 이중 시스 구조의 PNCT(R) 등의 제품입니다. 그 밖에 고객 요구에 맞춰 복합 선심 구조 및 평형 케이블 등의 제품을 공급하고 있습니다.

A captyre cable is a general term of a cable with a strong sheath. This cable is an electric cable used for the wiring of electric devices for movement of 0.6/1KV or less at the mines, farms, construction sites, etc., which is coated with chloroprene rubber with good elasticity, to have high mechanical durability against impacts, friction, bending, etc. and strong chemical resistance such as water resistance, heat resistance, acid resistance, alkali resistance, etc., so as to be widely used for these fields. There are a PNCT of single sheath structure and a PNCT(R) of dual sheath structure. In addition, we supply products such as composite core structures, balance cables, etc. according to the customer requirements.

Nominal Cross Sectional Area 공칭단면적	Maximin Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름	Insulation Thickness 절연두께	단심		2심		3심		4심		5심		Conductor Resistance 도체 저항	Test Voltage 시험전압
				Sheath Thickness 시스두께	Approx. Overall Dia. 완성품 외경	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품 외경	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품 외경	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품 외경	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품 외경		
mm <sup>2</sup>	Max./mm	mm	mm	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	mm(약)	Ω/km	V/5min
1.0	0.21	1.3	1.0	-	-	1.8	11.5	1.9	12.2	1.9	13.1	2.0	13.8	20.0	3,500
1.5	0.26	1.6	1.0	1.6	7.9	1.9	12.3	1.9	12.9	2.0	14.1	2.0	14.6	13.7	3,500
2.5	0.26	2.1	1.0	1.6	8.4	1.9	13.3	2.0	14.2	2.0	15.3	2.1	16.1	8.21	3,500
4	0.31	2.6	1.0	1.7	9.1	2.0	14.5	2.0	15.2	2.1	16.7	2.2	17.7	5.09	3,500
6	0.31	3.6	1.0	1.7	10.2	2.1	17	2.2	18.2	2.3	19.9	2.4	21.3	3.39	3,500
10	0.41	4.8	1.0	1.8	11.6	2.3	19.8	2.4	21.2	2.5	23.2	2.6	24.9	1.95	3,500
16	0.41	6.0	1.0	1.9	12.9	2.5	22.4	2.5	23.7	2.7	26.3	2.8	28.3	1.24	3,500
25	0.41	7.4	1.2	2.0	14.9	2.7	26.4	2.8	28.2	3.0	31.2	3.2	33.9	0.795	3,500
35	0.41	8.7	1.2	2.1	16.3	2.9	29.2	3.0	31.2	3.2	34.5	3.4	37.6	0.565	3,500
50	0.41	10.4	1.4	2.2	18.6	3.1	33.8	3.3	36.3	3.5	40.2	3.8	44.0	0.393	3,500
70	0.51	12.5	1.4	2.4	20.9	3.4	38.2	3.5	40.8	3.8	45.4	4.1	49.8	0.277	3,500
95	0.51	14.5	1.6	2.5	23.5	3.7	43.6	3.9	46.8	4.2	52.0	4.7	67.1	0.21	3,500
120	0.51	16.2	1.6	2.6	25.4	3.9	47.4	4.1	50.9	4.5	56.7	-	-	0.164	3,500
150	0.51	18.2	1.8	2.8	28.1	4.2	52.6	4.5	56.6	4.8	62.8	-	-	0.132	3,500
185	0.51	20.2	2.0	3.0	30.9	-	-	-	-	-	-	-	-	0.108	3,500
240	0.51	23.3	2.2	3.2	34.6	-	-	-	-	-	-	-	-	0.0817	3,500
300	0.51	26.0	2.4	3.4	38.0	-	-	-	-	-	-	-	-	0.0654	3,500
400	0.51	30.3	2.6	3.7	43.2	-	-	-	-	-	-	-	-	0.0495	3,500



# 0.6/1KV PNCT

Manufactured Standard

No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Approx. Weight 개산중량
	Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름						
	mm <sup>2</sup>	Max./mm	mm						
6	1.0	0.21	1.3	1.0	2.0	15.5	20.0	3,500	320
	1.5	0.26	1.6	1.0	2.1	16.5	13.7	3,500	390
	2.5	0.26	2.1	1.0	2.2	18.0	8.21	3,500	500
	4.0	0.31	2.6	1.0	2.3	20.0	5.09	3,500	640
	6.0	0.31	3.6	1.0	2.5	24.0	3.39	3,500	900
7	1.0	0.21	1.3	1.0	2.0	15.5	20.0	3500	330
	1.5	0.26	1.6	1.0	2.1	16.5	13.7	3500	390
	2.5	0.26	2.1	1.0	2.2	18.0	8.21	3500	510
	4.0	0.31	2.6	1.0	2.3	20.0	5.09	3500	670
	6.0	0.31	3.6	1.0	2.5	24.0	3.39	3500	950
8	1.0	0.21	1.3	1.0	2.1	16.5	20.0	3,500	390
	1.5	0.26	1.6	1.0	2.2	18.0	13.7	3,500	460
	2.5	0.26	2.1	1.0	2.3	19.5	8.21	3,500	590
	4.0	0.31	2.6	1.0	2.4	21.5	5.09	3,500	770
	6.0	0.31	3.6	1.0	2.6	26.0	3.39	3,500	1,100
9	1.0	0.21	1.3	1.0	2.0	18.0	20.0	3,500	440
	1.5	0.26	1.6	1.0	2.1	19.0	13.7	3,500	520
	2.5	0.26	2.1	1.0	2.2	21.0	8.21	3,500	690
	4.0	0.31	2.6	1.0	2.3	23.0	5.09	3,500	890
	6.0	0.31	3.6	1.0	2.5	28.0	3.39	3,500	1,290
10	1.0	0.21	1.3	1.0	2.0	19.5	20.0	3,500	520
	1.5	0.26	1.6	1.0	2.1	20.5	13.7	3,500	610
	2.5	0.26	2.1	1.0	2.2	23.0	8.21	3,500	800
	4.0	0.31	2.6	1.0	2.3	25.5	5.09	3,500	1,040
	6.0	0.31	3.6	1.0	2.5	30.5	3.39	3,500	1,490
12	1.0	0.21	1.3	1.0	2.0	20.0	20.0	3,500	550
	1.5	0.26	1.6	1.0	2.1	21.5	13.7	3,500	670
	2.5	0.26	2.1	1.0	2.2	23.5	8.21	3,500	870
	4.0	0.31	2.6	1.0	2.3	26.0	5.09	3,500	1,150
	6.0	0.31	3.6	1.0	2.5	31.5	3.39	3,500	1,650



# 0.6/1KV PNCT

Manufactured Standard

No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Approx. Weight 개산중량
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름						
	mm <sup>2</sup>	Max./mm	mm						
16	1.0	0.21	1.3	1.0	2.4	22.0	20.0	3,500	690
	1.5	0.26	1.6	1.0	2.5	24.0	13.7	3,500	830
	2.5	0.26	2.1	1.0	2.7	26.5	8.21	3,500	1,100
	4.0	0.31	2.6	1.0	2.8	29.0	5.09	3,500	1,450
	6.0	0.31	3.6	1.0	3.2	35.5	3.39	3,500	2,100
19	1.0	0.21	1.3	1.0	2.5	23.5	20.0	3,500	770
	1.5	0.26	1.6	1.0	2.6	25.0	13.7	3,500	940
	2.5	0.26	2.1	1.0	2.8	28.0	8.21	3,500	1,250
	4.0	0.31	2.6	1.0	2.9	30.5	5.09	3,500	1,650
	6.0	0.31	3.6	1.0	3.3	37.5	3.39	3,500	2,390
24	1.0	0.21	1.3	1.0	2.7	26.5	20.0	3,500	1,000
	1.5	0.26	1.6	1.0	2.8	28.5	13.7	3,500	1,210
	2.5	0.26	2.1	1.0	3.0	32.0	8.21	3,500	1,620
	4.0	0.31	2.6	1.0	3.2	35.0	5.09	3,500	2,150
	6.0	0.31	3.6	1.0	3.7	43.0	3.39	3,500	3,130
27	1.0	0.21	1.3	1.0	2.8	28.0	20.0	3,500	1,120
	1.5	0.26	1.6	1.0	2.9	30.0	13.7	3,500	1,350
	2.5	0.26	2.1	1.0	3.1	33.5	8.21	3,500	1,800
	4.0	0.31	2.6	1.0	3.3	37.0	5.09	3,500	2,390
	6.0	0.31	3.6	1.0	3.8	45.5	3.39	3,500	3,490
30	1.0	0.21	1.3	1.0	2.8	29.0	20.0	3,500	1,200
	1.5	0.26	1.6	1.0	3.0	31.5	13.7	3,500	1,470
	2.5	0.26	2.1	1.0	3.2	35.0	8.21	3,500	1,960
	4.0	0.31	2.6	1.0	3.4	38.5	5.09	3,500	2,600
	6.0	0.31	3.6	1.0	3.9	47.0	3.39	3,500	3,800



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No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름					
	mm <sup>2</sup>	Max./mm	mm					
단심	1.0	0.21	1.3	1.1	-	-	20.0	3,500
	1.5	0.26	1.6	1.1	2.5	10.4	13.7	3,500
	2.5	0.26	2.1	1.1	2.6	10.8	8.21	3,500
	4	0.31	2.6	1.1	2.6	11.5	5.09	3,500
	6	0.31	3.6	1.1	2.6	12.1	3.39	3,500
	10	0.41	4.8	1.1	2.7	13.2	1.95	3,500
	16	0.41	6.0	1.1	2.8	15.0	1.24	3,500
	25	0.41	7.4	1.4	2.9	17.3	0.795	3,500
	35	0.41	8.7	1.4	3.0	18.8	0.565	3,500
	50	0.41	10.4	1.8	3.2	21.6	0.393	3,500
	70	0.51	12.5	1.8	3.3	23.8	0.277	3,500
	95	0.51	14.5	2.0	3.5	26.4	0.210	3,500
	120	0.51	16.2	2.0	3.6	28.4	0.164	3,500
	150	0.51	18.2	2.2	3.8	31.0	0.132	3,500
	185	0.51	20.2	2.4	3.9	33.5	0.108	3,500
	240	0.51	23.3	2.6	4.1	37.1	0.0817	3,500
300	0.51	26.0	2.8	4.3	40.5	0.0654	3,500	
400	0.51	30.3	3.0	4.6	45.2	0.0495	3,500	
2심	1.0	0.21	1.3	1.1	2.8	14.3	20.0	3,500
	1.5	0.26	1.6	1.1	2.8	15.0	13.7	3,500
	2.5	0.26	2.1	1.1	2.9	15.9	8.21	3,500
	4	0.31	2.6	1.1	2.9	17.3	5.09	3,500
	6	0.31	3.6	1.1	3.0	18.7	3.39	3,500
	10	0.41	4.8	1.1	3.1	20.7	1.95	3,500
	16	0.41	6.0	1.1	3.4	24.3	1.24	3,500
	25	0.41	7.4	1.4	3.6	28.9	0.795	3,500
	35	0.41	8.7	1.4	3.8	31.8	0.565	3,500
	50	0.41	10.4	1.8	4.1	37.5	0.393	3,500
	70	0.51	12.5	1.8	4.4	41.8	0.277	3,500
	95	0.51	14.5	2.0	4.7	47.0	0.210	3,500
	120	0.51	16.2	2.0	4.9	51.1	0.164	3,500
150	0.51	18.2	2.2	5.2	56.3	0.132	3,500	



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No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름					
	mm <sup>2</sup>	Max./mm	mm					
3심	1.0	0.21	1.3	1.1	2.8	14.3	20.0	3,500
	1.5	0.26	1.6	1.1	2.8	15	13.7	3,500
	2.5	0.26	2.1	1.1	2.9	15.9	8.21	3,500
	4	0.31	2.6	1.1	2.9	17.3	5.09	3,500
	6	0.31	3.6	1.1	3.0	18.7	3.39	3,500
	10	0.41	4.8	1.1	3.1	20.7	1.95	3,500
	16	0.41	6.0	1.1	3.4	24.3	1.24	3,500
	25	0.41	7.4	1.4	3.6	28.7	0.795	3,500
	35	0.41	8.7	1.4	3.8	31.8	0.565	3,500
	50	0.41	10.4	1.8	4.1	37.5	0.393	3,500
	70	0.51	12.5	1.8	4.4	41.8	0.277	3,500
	95	0.51	14.5	2.0	4.7	47.0	0.21	3,500
	120	0.51	16.2	2.0	4.9	51.1	0.164	3,500
	150	0.51	18.2	2.2	5.2	56.3	0.132	3,500
4심	1.0	0.21	1.3	1.1	2.9	16.2	20.0	3,500
	1.5	0.26	1.6	1.1	2.9	17.0	13.7	3,500
	2.5	0.26	2.1	1.1	3.0	18.1	8.21	3,500
	4	0.31	2.6	1.1	3.1	19.7	5.09	3,500
	6	0.31	3.6	1.1	3.2	21.4	3.39	3,500
	10	0.41	4.8	1.1	3.3	23.8	1.95	3,500
	16	0.41	6.0	1.1	3.6	28.2	1.24	3,500
	25	0.41	7.4	1.4	3.9	33.6	0.795	3,500
	35	0.41	8.7	1.4	4.1	37.2	0.565	3,500
	50	0.41	10.4	1.8	4.5	44.0	0.393	3,500
	70	0.51	12.5	1.8	4.8	49.3	0.277	3,500
	95	0.51	14.5	2.0	5.2	55.5	0.21	3,500
	120	0.51	16.2	2.0	5.5	60.5	0.164	3,500
	150	0.51	18.2	2.2	5.9	66.7	0.132	3,500



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No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름					
	mm <sup>2</sup>	Max./mm	mm					
5심	1.0	0.21	1.3	1.1	3.0	17.6	20.0	3,500
	1.5	0.26	1.6	1.1	3.0	18.5	13.7	3,500
	2.5	0.26	2.1	1.1	3.1	19.8	8.21	3,500
	4	0.31	2.6	1.1	3.2	21.6	5.09	3,500
	6	0.31	3.6	1.1	3.3	23.4	3.39	3,500
	10	0.41	4.8	1.1	3.5	26.1	1.95	3,500
	16	0.41	6.0	1.1	3.8	31.0	1.24	3,500
	25	0.41	7.4	1.4	4.1	37.1	0.795	3,500
	35	0.41	8.7	1.4	4.4	41.2	0.565	3,500
	50	0.41	10.4	1.8	4.8	48.8	0.393	3,500
	70	0.51	12.5	1.8	5.1	54.6	0.277	3,500
95	0.51	14.5	2.0	5.6	61.6	0.210	3,500	
6심	1.0	0.21	1.3	1.1	2.0	15.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.1	16.5	13.7	3,500
	2.5	0.26	2.1	1.1	2.2	18.0	8.21	3,500
	4.0	0.31	2.6	1.1	2.3	20.0	5.09	3,500
	6.0	0.31	3.6	1.1	2.5	24.0	3.39	3,500
7심	1.0	0.21	1.3	1.1	2.0	15.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.1	16.5	13.7	3,500
	2.5	0.26	2.1	1.1	2.2	18.0	8.21	3,500
	4.0	0.31	2.6	1.1	2.3	20.0	5.09	3,500
	6.0	0.31	3.6	1.1	2.5	24.0	3.39	3,500
8심	1.0	0.21	1.3	1.1	2.1	16.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.2	18.0	13.7	3,500
	2.5	0.26	2.1	1.1	2.3	19.5	8.21	3,500
	4.0	0.31	2.6	1.1	2.4	21.5	5.09	3,500
	6.0	0.31	3.6	1.1	2.6	26.0	3.39	3,500
9심	1.0	0.21	1.3	1.1	2.0	18.0	20.0	3,500
	1.5	0.26	1.6	1.1	2.1	19.0	13.7	3,500
	2.5	0.26	2.1	1.1	2.2	21.0	8.21	3,500
	4.0	0.31	2.6	1.1	2.3	23.0	5.09	3,500
	6.0	0.31	3.6	1.1	2.5	28.0	3.39	3,500



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No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름					
	mm <sup>2</sup>	Max./mm	mm					
10심	1.0	0.21	1.3	1.1	2.0	19.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.1	20.5	13.7	3,500
	2.5	0.26	2.1	1.1	2.2	23.0	8.21	3,500
	4.0	0.31	2.6	1.1	2.3	25.5	5.09	3,500
	6.0	0.31	3.6	1.1	2.5	30.5	3.39	3,500
12심	1.0	0.21	1.3	1.1	2.0	20.0	20.0	3,500
	1.5	0.26	1.6	1.1	2.1	21.5	13.7	3,500
	2.5	0.26	2.1	1.1	2.2	23.5	8.21	3,500
	4.0	0.31	2.6	1.1	2.3	26.0	5.09	3,500
	6.0	0.31	3.6	1.1	2.5	31.5	3.39	3,500
16심	1.0	0.21	1.3	1.1	2.4	22.0	20.0	3,500
	1.5	0.26	1.6	1.1	2.5	24.0	13.7	3,500
	2.5	0.26	2.1	1.1	2.7	26.5	8.21	3,500
	4.0	0.31	2.6	1.1	2.8	29.0	5.09	3,500
	6.0	0.31	3.6	1.1	3.2	35.5	3.39	3,500
19심	1.0	0.21	1.3	1.1	2.5	23.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.6	25.0	13.7	3,500
	2.5	0.26	2.1	1.1	2.8	28.0	8.21	3,500
	4.0	0.31	2.6	1.1	2.9	30.5	5.09	3,500
	6.0	0.31	3.6	1.1	3.3	37.5	3.39	3,500
24심	1.0	0.21	1.3	1.1	2.7	26.5	20.0	3,500
	1.5	0.26	1.6	1.1	2.8	28.5	13.7	3,500
	2.5	0.26	2.1	1.1	3.0	32.0	8.21	3,500
	4.0	0.31	2.6	1.1	3.2	35.0	5.09	3,500
	6.0	0.31	3.6	1.1	3.7	43.0	3.39	3,500
27심	1.0	0.21	1.3	1.1	2.8	28.0	20.0	3,500
	1.5	0.26	1.6	1.1	2.9	30.0	13.7	3,500
	2.5	0.26	2.1	1.1	3.1	33.5	8.21	3,500
	4.0	0.31	2.6	1.1	3.3	37.0	5.09	3,500
	6.0	0.31	3.6	1.1	3.8	45.5	3.39	3,500
30심	1.0	0.21	1.3	1.1	2.8	29.0	20.0	3,500
	1.5	0.26	1.6	1.1	3.0	31.5	13.7	3,500
	2.5	0.26	2.1	1.1	3.2	35.0	8.21	3,500
	4.0	0.31	2.6	1.1	3.4	38.5	5.09	3,500
	6.0	0.31	3.6	1.1	3.9	47.0	3.39	3,500



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No. Of Core 선심수	Conductor 도체			Insulation Thickness 절연두께	Sheath Thickness 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Approx. Weight 개산중량
	Nominal Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름						
	mm <sup>2</sup>	Max./mm	mm						
3	1.0	0.21	1.3	1.0	1.9	8.0 x 16.5	20.0	3500	200
	1.5	0.26	1.6	1.0	1.9	8.5 x 17.0	13.7	3500	230
	2.5	0.26	2.1	1.0	2.0	9.0 x 19.0	8.21	3500	290
	4	0.31	2.6	1.0	2.1	10.0 x 20.5	5.09	3500	360
	6	0.31	3.6	1.0	2.2	11.5 x 24.5	3.39	3500	490
	10	0.41	4.8	1.0	2.4	13.0 x 28.5	1.95	3500	710
	16	0.41	6.0	1.0	2.6	14.5 x 32.0	1.24	3500	940
	25	0.41	7.4	1.2	2.8	16.5 x 38.0	0.795	3500	1350
	35	0.41	8.7	1.2	3.0	18.0 x 42.0	0.595	3500	1730
	50	0.41	10.4	1.4	3.3	21.0 x 48.5	0.393	3500	2360
	70	0.51	12.5	1.4	3.6	23.5 x 55.0	0.277	3500	3140
	95	0.51	14.5	1.6	3.9	26.5 x 63.0	0.210	3500	4140
	120	0.51	16.2	1.6	4.2	28.5 x 68.5	0.164	3500	5050
150	0.51	18.2	1.8	4.5	31.5 x 76.0	0.132	3500	6270	
4	1.0	0.21	1.3	1.0	1.9	8.0 x 23.5	20.0	3500	290
	1.5	0.26	1.6	1.0	2.0	8.5 x 24.5	13.7	3500	340
	2.5	0.26	2.1	1.0	2.1	9.5 x 27.0	8.21	3500	420
	4	0.31	2.6	1.0	2.2	10.0 x 29.0	5.09	3500	520
	6	0.31	3.6	1.0	2.3	11.5 x 34.0	3.39	3500	700
	10	0.41	4.8	1.0	2.5	13.0 x 39.0	1.95	3500	990
	16	0.41	6.0	1.0	2.7	14.5 x 44.0	1.24	3500	1310
	25	0.41	7.4	1.2	3.0	17.0 x 52.0	0.795	3500	1880
	35	0.41	8.7	1.2	3.2	18.5 x 57.0	0.595	3500	2400
	50	0.41	10.4	1.4	3.5	21.5 x 66.0	0.393	3500	3250
	70	0.51	12.5	1.4	3.8	24.0 x 74.0	0.277	3500	4310
95	0.51	14.5	1.6	4.2	27.0 x 84.5	0.210	3500	5680	

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No. Of Core 선심수	Conductor 도체		Insulation Thickness 절연두께	Sheath Diameter Wires Of Conductor 차폐소선경	Sheath Thickness 시스두께	Sheath Overall Diameter 시스외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Weight 케이블 중량
	Maximum Dimeter of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
1.0 x 2	0.21	1.30	1.0	0.14	1.8	11.5	20.0	3,500	157
1.0 x 3	0.21	1.30	1.0	0.14	1.9	12.3	20.0	3,500	190
1.0 x 4	0.21	1.30	1.0	0.14	1.9	13.2	20.0	3,500	223
1.0 x 5	0.21	1.30	1.0	0.14	2.0	14.4	20.0	3,500	265
1.0 x 6	0.21	1.30	1.0	0.16	2.1	15.7	20.0	3,500	318
1.0 x 7	0.21	1.30	1.0	0.16	2.1	16.8	20.0	3,500	358
1.0 x 8	0.21	1.30	1.0	0.16	2.2	18.1	20.0	3,500	408
1.0 x 9	0.21	1.30	1.0	0.16	2.3	19.4	20.0	3,500	460
1.0 x 10	0.21	1.30	1.0	0.16	2.3	19.6	20.0	3,500	462
1.0 x 11	0.21	1.30	1.0	0.16	2.3	19.6	20.0	3,500	481
1.0 x 12	0.21	1.30	1.0	0.16	2.3	20.2	20.0	3,500	510
1.0 x 13	0.21	1.30	1.0	0.16	2.4	20.6	20.0	3,500	544
1.0 x 14	0.21	1.30	1.0	0.16	2.4	21.3	20.0	3,500	574
1.0 x 15	0.21	1.30	1.0	0.16	2.4	21.7	20.0	3,500	601
1.0 x 16	0.21	1.30	1.0	0.16	2.5	22.5	20.0	3,500	644
1.0 x 17	0.21	1.30	1.0	0.16	2.5	23.0	20.0	3,500	674
1.0 x 18	0.21	1.30	1.0	0.18	2.5	23.6	20.0	3,500	718
1.0 x 19	0.21	1.30	1.0	0.18	2.5	23.6	20.0	3,500	737
1.0 x 20	0.21	1.30	1.0	0.18	2.6	24.9	20.0	3,500	792
1.0 x 21	0.21	1.30	1.0	0.18	2.7	25.7	20.0	3,500	836
1.0 x 22	0.21	1.30	1.0	0.18	2.7	26.2	20.0	3,500	869
1.0 x 23	0.21	1.30	1.0	0.18	2.8	27.7	20.0	3,500	910
1.0 x 24	0.21	1.30	1.0	0.18	2.8	27.7	20.0	3,500	930
1.0 x 25	0.21	1.30	1.0	0.18	2.8	27.7	20.0	3,500	950
1.0 x 26	0.21	1.30	1.0	0.18	2.8	27.7	20.0	3,500	970
1.0 x 27	0.21	1.30	1.0	0.18	2.8	28.3	20.0	3,500	1,000
1.0 x 28	0.21	1.30	1.0	0.18	2.8	28.3	20.0	3,500	1,019
1.0 x 29	0.21	1.30	1.0	0.18	2.8	28.5	20.0	3,500	1,045
1.0 x 30	0.21	1.30	1.0	0.18	2.9	29.4	20.0	3,500	1,090
1.5 x 1	0.26	1.59	1.0	0.12	1.6	7.8	13.7	3,500	90
1.5 x 2	0.26	1.59	1.0	0.14	1.9	12.3	13.7	3,500	183
1.5 x 3	0.26	1.59	1.0	0.14	1.9	12.9	13.7	3,500	217
1.5 x 4	0.26	1.59	1.0	0.14	2.0	14.1	13.7	3,500	265
1.5 x 5	0.26	1.59	1.0	0.16	2.1	15.5	13.7	3,500	324
1.5 x 6	0.26	1.59	1.0	0.16	2.1	16.6	13.7	3,500	371
1.5 x 7	0.26	1.59	1.0	0.16	2.2	17.9	13.7	3,500	428



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	Maximum Dimer of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
1.5 x 8	0.26	1.59	1.0	0.16	2.3	19.3	13.7	3,500	487
1.5 x 9	0.26	1.59	1.0	0.16	2.4	20.7	13.7	3,500	550
1.5 x 10	0.26	1.59	1.0	0.16	2.4	21.0	13.7	3,500	554
1.5 x 11	0.26	1.59	1.0	0.16	2.4	21.0	13.7	3,500	580
1.5 x 12	0.26	1.59	1.0	0.16	2.4	21.6	13.7	3,500	616
1.5 x 13	0.26	1.59	1.0	0.16	2.4	21.9	13.7	3,500	647
1.5 x 14	0.26	1.59	1.0	0.16	2.5	22.7	13.7	3,500	695
1.5 x 15	0.26	1.59	1.0	0.18	2.5	23.4	13.7	3,500	742
1.5 x 16	0.26	1.59	1.0	0.18	2.6	24.1	13.7	3,500	794
1.5 x 17	0.26	1.59	1.0	0.18	2.6	24.7	13.7	3,500	832
1.5 x 18	0.26	1.59	1.0	0.18	2.6	25.3	13.7	3,500	871
1.5 x 19	0.26	1.59	1.0	0.18	2.6	25.3	13.7	3,500	897
1.5 x 20	0.26	1.59	1.0	0.18	2.7	26.6	13.7	3,500	962
1.5 x 21	0.26	1.59	1.0	0.18	2.8	27.5	13.7	3,500	1,014
1.5 x 22	0.26	1.59	1.0	0.18	2.8	28.0	13.7	3,500	1,055
1.5 x 23	0.26	1.59	1.0	0.18	2.9	29.7	13.7	3,500	1,104
1.5 x 24	0.26	1.59	1.0	0.18	2.9	29.7	13.7	3,500	1,130
1.5 x 25	0.26	1.59	1.0	0.18	2.9	29.7	13.7	3,500	1,156
1.5 x 26	0.26	1.59	1.0	0.18	2.9	29.7	13.7	3,500	1,182
1.5 x 27	0.26	1.59	1.0	0.18	2.9	30.2	13.7	3,500	1,220
1.5 x 28	0.26	1.59	1.0	0.18	2.9	30.2	13.7	3,500	1,246
1.5 x 29	0.26	1.59	1.0	0.18	2.9	30.5	13.7	3,500	1,278
1.5 x 30	0.26	1.59	1.0	0.18	3.0	31.4	13.7	3,500	1,332
2.5 x 1	0.26	2.10	1.0	0.12	1.6	8.3	8.21	3,500	108
2.5 x 2	0.26	2.10	1.0	0.14	1.9	13.3	8.21	3,500	220
2.5 x 3	0.26	2.10	1.0	0.14	2.0	14.2	8.21	3,500	274
2.5 x 4	0.26	2.10	1.0	0.16	2.1	15.6	8.21	3,500	344
2.5 x 5	0.26	2.10	1.0	0.16	2.1	16.8	8.21	3,500	404
2.5 x 6	0.26	2.10	1.0	0.16	2.2	18.3	8.21	3,500	475
2.5 x 7	0.26	2.10	1.0	0.16	2.3	19.8	8.21	3,500	549
2.5 x 8	0.26	2.10	1.0	0.16	2.4	21.4	8.21	3,500	626
2.5 x 9	0.26	2.10	1.0	0.16	2.5	22.9	8.21	3,500	706
2.5 x 10	0.26	2.10	1.0	0.18	2.5	23.3	8.21	3,500	728
2.5 x 11	0.26	2.10	1.0	0.18	2.5	23.3	8.21	3,500	766
2.5 x 12	0.26	2.10	1.0	0.18	2.6	24.2	8.21	3,500	827
2.5 x 13	0.26	2.10	1.0	0.18	2.6	24.5	8.21	3,500	871

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	Maximum Dimeter of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω /km	V/5min	kg/km
2.5 x 14	0.26	2.10	1.0	0.18	2.6	25.3	8.21	3,500	922
2.5 x 15	0.26	2.10	1.0	0.18	2.7	26.1	8.21	3,500	983
2.5 x 16	0.26	2.10	1.0	0.18	2.7	26.7	8.21	3,500	1,038
2.5 x 17	0.26	2.10	1.0	0.18	2.8	27.6	8.21	3,500	1,102
2.5 x 18	0.26	2.10	1.0	0.18	2.8	28.2	8.21	3,500	1,156
2.5 x 19	0.26	2.10	1.0	0.18	2.8	28.2	8.21	3,500	1,194
2.5 x 20	0.26	2.10	1.0	0.18	2.9	29.7	8.21	3,500	1,277
2.5 x 21	0.26	2.10	1.0	0.18	2.9	30.5	8.21	3,500	1,331
2.5 x 22	0.26	2.10	1.0	0.18	3.0	31.2	8.21	3,500	1,401
2.5 x 23	0.26	2.10	1.0	0.18	3.1	33.1	8.21	3,500	1,463
2.5 x 24	0.26	2.10	1.0	0.20	3.1	33.2	8.21	3,500	1,519
2.5 x 25	0.26	2.10	1.0	0.20	3.1	33.2	8.21	3,500	1,557
2.5 x 26	0.26	2.10	1.0	0.20	3.1	33.2	8.21	3,500	1,595
2.5 x 27	0.26	2.10	1.0	0.20	3.1	33.9	8.21	3,500	1,647
2.5 x 28	0.26	2.10	1.0	0.20	3.1	33.9	8.21	3,500	1,685
2.5 x 29	0.26	2.10	1.0	0.20	3.2	34.4	8.21	3,500	1,746
2.5 x 30	0.26	2.10	1.0	0.20	3.2	35.2	8.21	3,500	1,801
4 x 1	0.31	2.60	1.0	0.12	1.7	9.0	5.09	3,500	134
4 x 2	0.31	2.60	1.0	0.14	2.0	14.5	5.09	3,500	272
4 x 3	0.31	2.60	1.0	0.16	2.1	15.6	5.09	3,500	353
4 x 4	0.31	2.60	1.0	0.16	2.1	16.8	5.09	3,500	427
4 x 5	0.31	2.60	1.0	0.16	2.2	18.4	5.09	3,500	515
4 x 6	0.31	2.60	1.0	0.16	2.3	20.0	5.09	3,500	606
4 x 7	0.31	2.60	1.0	0.16	2.4	21.7	5.09	3,500	702
4 x 8	0.31	2.60	1.0	0.16	2.5	23.4	5.09	3,500	801
4 x 9	0.31	2.60	1.0	0.18	2.6	25.2	5.09	3,500	918
4 x 10	0.31	2.60	1.0	0.18	2.7	25.7	5.09	3,500	948
4 x 11	0.31	2.60	1.0	0.18	2.7	25.7	5.09	3,500	1,002
4 x 12	0.31	2.60	1.0	0.18	2.7	26.5	5.09	3,500	1,069
4 x 13	0.31	2.60	1.0	0.18	2.7	26.8	5.09	3,500	1,130
4 x 14	0.31	2.60	1.0	0.18	2.8	27.9	5.09	3,500	1,213
4 x 15	0.31	2.60	1.0	0.18	2.8	28.5	5.09	3,500	1,279
4 x 16	0.31	2.60	1.0	0.18	2.9	29.5	5.09	3,500	1,368
4 x 17	0.31	2.60	1.0	0.18	2.9	30.3	5.09	3,500	1,437
4 x 18	0.31	2.60	1.0	0.18	3.0	31.1	5.09	3,500	1,524
4 x 19	0.31	2.60	1.0	0.18	3.0	31.1	5.09	3,500	1,578



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	Maximum Dimeter of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
4 x 20	0.31	2.60	1.0	0.18	3.1	32.8	5.09	3,500	1,685
4 x 21	0.31	2.60	1.0	0.20	3.1	33.8	5.09	3,500	1,776
4 x 22	0.31	2.60	1.0	0.20	3.2	34.5	5.09	3,500	1,868
4 x 23	0.31	2.60	1.0	0.20	3.3	36.6	5.09	3,500	1,948
4 x 24	0.31	2.60	1.0	0.20	3.3	36.6	5.09	3,500	2,002
4 x 25	0.31	2.60	1.0	0.20	3.3	36.6	5.09	3,500	2,056
4 x 26	0.31	2.60	1.0	0.20	3.3	36.6	5.09	3,500	2,110
4 x 27	0.31	2.60	1.0	0.20	3.3	37.3	5.09	3,500	2,180
4 x 28	0.31	2.60	1.0	0.20	3.3	37.3	5.09	3,500	2,234
4 x 29	0.31	2.60	1.0	0.20	3.4	37.9	5.09	3,500	2,315
4 x 30	0.31	2.60	1.0	0.20	3.5	39.3	5.09	3,500	2,472
6 x 1	0.31	3.20	1.0	0.14	1.7	9.7	3.39	3,500	165
6 x 2	0.31	3.20	1.0	0.16	2.1	16.0	3.39	3,500	344
6 x 3	0.31	3.20	1.0	0.16	2.1	16.9	3.39	3,500	431
6 x 4	0.31	3.20	1.0	0.16	2.2	18.5	3.39	3,500	537
6 x 5	0.31	3.20	1.0	0.16	2.3	20.2	3.39	3,500	649
6 x 6	0.31	3.20	1.0	0.16	2.4	22.0	3.39	3,500	766
6 x 7	0.31	3.20	1.0	0.16	2.6	24.1	3.39	3,500	899
6 x 8	0.31	3.20	1.0	0.18	2.7	26.0	3.39	3,500	1,041
6 x 9	0.31	3.20	1.0	0.18	2.8	27.9	3.39	3,500	1,174
6 x 10	0.31	3.20	1.0	0.18	2.8	28.3	3.39	3,500	1,201
6 x 11	0.31	3.20	1.0	0.18	2.8	28.3	3.39	3,500	1,274
6 x 12	0.31	3.20	1.0	0.18	2.9	29.3	3.39	3,500	1,377
6 x 13	0.31	3.20	1.0	0.18	2.9	29.8	3.39	3,500	1,459
6 x 14	0.31	3.20	1.0	0.18	3.0	30.9	3.39	3,500	1,566
6 x 15	0.31	3.20	1.0	0.18	3.0	31.7	3.39	3,500	1,654
6 x 16	0.31	3.20	1.0	0.20	3.1	32.8	3.39	3,500	1,786
6 x 17	0.31	3.20	1.0	0.20	3.1	33.7	3.39	3,500	1,878
6 x 18	0.31	3.20	1.0	0.20	3.2	34.6	3.39	3,500	1,991
6 x 19	0.31	3.20	1.0	0.20	3.2	34.6	3.39	3,500	2,065
6 x 20	0.31	3.20	1.0	0.20	3.3	36.4	3.39	3,500	2,201
6 x 21	0.31	3.20	1.0	0.20	3.4	37.7	3.39	3,500	2,315
6 x 22	0.31	3.20	1.0	0.20	3.4	38.3	3.39	3,500	2,415
6 x 23	0.31	3.20	1.0	0.26	3.6	41.1	3.39	3,500	2,604
6 x 24	0.31	3.20	1.0	0.26	3.6	41.1	3.39	3,500	2,677
6 x 25	0.31	3.20	1.0	0.26	3.6	41.1	3.39	3,500	2,751

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	Maximum Dimer of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
6 x 26	0.31	3.20	1.0	0.26	3.6	41.1	3.39	3,500	2,824
6 x 27	0.31	3.20	1.0	0.26	3.6	41.9	3.39	3,500	2,919
6 x 28	0.31	3.20	1.0	0.26	3.6	41.9	3.39	3,500	2,992
6 x 29	0.31	3.20	1.0	0.26	3.6	42.3	3.39	3,500	3,077
6 x 30	0.31	3.20	1.0	0.26	3.7	43.5	3.39	3,500	3,195
10 x 1	0.41	4.80	1.0	0.14	1.8	11.5	1.95	3,500	243
10 x 2	0.41	4.80	1.0	0.16	2.3	19.6	1.95	3,500	516
10 x 3	0.41	4.80	1.0	0.16	2.4	20.9	1.95	3,500	670
10 x 4	0.41	4.80	1.0	0.16	2.5	22.9	1.95	3,500	842
10 x 5	0.41	4.80	1.0	0.16	2.6	25.1	1.95	3,500	1,022
16 x 1	0.41	6.00	1.0	0.16	1.9	13.0	1.24	3,500	329
16 x 2	0.41	6.00	1.0	0.16	2.5	22.4	1.24	3,500	690
16 x 3	0.41	6.00	1.0	0.18	2.6	24.0	1.24	3,500	922
16 x 4	0.41	6.00	1.0	0.18	2.7	26.3	1.24	3,500	1,162
16 x 5	0.41	6.00	1.0	0.18	2.9	29.1	1.24	3,500	1,429
25 x 1	0.41	7.40	1.2	0.18	2.0	15.2	0.795	3,500	469
25 x 2	0.41	7.40	1.2	0.18	2.7	26.6	0.795	3,500	990
25 x 3	0.41	7.40	1.2	0.18	2.8	28.3	0.795	3,500	1,317
25 x 4	0.41	7.40	1.2	0.18	3.0	31.3	0.795	3,500	1,688
25 x 5	0.41	7.40	1.2	0.20	3.2	34.7	0.795	3,500	2,098
35 x 1	0.41	8.70	1.2	0.20	2.1	16.7	0.565	3,500	602
35 x 2	0.41	8.70	1.2	0.20	2.9	29.7	0.565	3,500	1,274
35 x 3	0.41	8.70	1.2	0.20	3.0	31.6	0.565	3,500	1,705
35 x 4	0.41	8.70	1.2	0.20	3.2	35.0	0.565	3,500	2,189
35 x 5	0.41	8.70	1.2	0.26	3.4	38.9	0.565	3,500	2,762
50 x 1	0.41	10.40	1.4	0.16	2.3	19.1	0.393	3,500	785
50 x 2	0.41	10.40	1.4	0.20	3.2	34.6	0.393	3,500	1,711
50 x 3	0.41	10.40	1.4	0.20	3.3	36.8	0.393	3,500	2,306
50 x 4	0.41	10.40	1.4	0.26	3.6	41.2	0.393	3,500	3,057
50 x 5	0.41	10.40	1.4	0.26	3.8	45.5	0.393	3,500	3,759
70 x 1	0.51	12.50	1.4	0.16	2.4	21.4	0.277	3,500	1,032
70 x 2	0.51	12.50	1.4	0.26	3.5	39.6	0.277	3,500	2,331
70 x 3	0.51	12.50	1.4	0.26	3.6	42.2	0.277	3,500	3,150
70 x 4	0.51	12.50	1.4	0.26	3.9	46.9	0.277	3,500	4,075
70 x 5	0.51	12.50	1.4	0.26	4.2	51.9	0.277	3,500	5,044
95 x 1	0.51	14.50	1.6	0.18	2.6	24.3	0.210	3,500	1,362



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No. Of Core 선심수	Conductor 도체		Insulation Thickness 절연두께	Sheath Diameter Wires Of Conductor 차폐소선경	Sheath Thickness 시스두께	Sheath Overall Diameter 시스외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Weight 케이블 중량
	Maximum Dimeter of Wires in Con- ductor 도체최대 소선경	Approx. Outer Dia. 바깥지름							
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
95 x 2	0.51	14.50	1.6	0.26	3.8	45.1	0.210	3,500	3,022
95 x 3	0.51	14.50	1.6	0.26	4.0	48.3	0.210	3,500	4,134
95 x 4	0.51	14.50	1.6	0.26	4.3	53.6	0.210	3,500	5,354
95 x 5	0.51	14.50	1.6	0.26	4.6	59.3	0.210	3,500	6,630
120 x 1	0.51	16.20	1.6	0.18	2.7	26.2	0.164	3,500	1,641
120 x 2	0.51	16.20	1.6	0.26	4.0	48.9	0.164	3,500	3,629
120 x 3	0.51	16.20	1.6	0.26	4.2	52.4	0.164	3,500	4,993
120 x 4	0.51	16.20	1.6	0.26	4.6	58.3	0.164	3,500	6,506
150 x 1	0.51	18.20	1.8	0.18	2.9	29.1	0.132	3,500	2,028
150 x 2	0.51	18.20	1.8	0.26	4.4	54.6	0.132	3,500	4,494
150 x 3	0.51	18.20	1.8	0.26	4.6	58.4	0.132	3,500	6,197
150 x 4	0.51	18.20	1.8	0.26	5.0	65.0	0.132	3,500	8,075
185 x 1	0.51	20.20	2.0	0.18	3.0	31.7	0.108	3,500	2,447
185 x 2	0.51	20.20	2.0	0.26	4.7	60.1	0.108	3,500	5,434
185 x 3	0.51	20.20	2.0	0.26	4.9	64.3	0.108	3,500	7,519
185 x 4	0.51	20.20	2.0	0.26	5.4	71.7	0.108	3,500	9,839
240 x 1	0.51	23.30	2.2	0.20	3.3	35.9	0.0817	3,500	3,187
240 x 2	0.51	23.30	2.2	0.26	5.2	68.2	0.0817	3,500	7,008
240 x 3	0.51	23.30	2.2	0.26	5.4	72.9	0.0817	3,500	9,730
240 x 4	0.51	23.30	2.2	0.26	5.9	81.2	0.0817	3,500	12,736
300 x 1	0.51	26.00	2.4	0.26	3.5	39.8	0.0654	3,500	3,960
300 x 2	0.51	26.00	2.4	0.26	5.6	75.2	0.0654	3,500	8,557
300 x 3	0.51	26.00	2.4	0.26	5.9	80.7	0.0654	3,500	11,954
300 x 4	0.51	26.00	2.4	0.26	6.4	89.8	0.0654	3,500	15,645
400 x 1	0.51	30.30	2.6	0.26	3.8	45.1	0.0495	3,500	5,215
400 x 2	0.51	30.30	2.6	0.26	6.2	85.9	0.0495	3,500	11,276
400 x 3	0.51	30.30	2.6	0.26	6.6	92.3	0.0495	3,500	15,856
400 x 4	0.51	30.30	2.6	0.26	7.2	102.8	0.0495	3,500	20,805

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No. Of Core 선심수	Conductor 도체		Insulation Thickness 절연두께	Sheath Diameter Wires Of Conductor 차폐소선경	Sheath Thickness 시스두께	Thickness Of Reinforce 보강층	Sheath Overall Diameter 시스외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Weight 케이블 중량
	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
1.0 x 2	0.21	1.30	1.10	0.14	2.8	0.5	15.0	20.0	3,500	262
1.0 x 3	0.21	1.30	1.10	0.14	2.7	0.5	15.3	20.0	3,500	288
1.0 x 4	0.21	1.30	1.10	0.14	2.8	0.5	16.5	20.0	3,500	337
1.0 x 5	0.21	1.30	1.10	0.14	2.9	0.5	17.8	20.0	3,500	391
1.0 x 6	0.21	1.30	1.10	0.16	2.9	0.5	19.0	20.0	3,500	448
1.0 x 7	0.21	1.30	1.10	0.16	3.0	0.5	20.3	20.0	3,500	508
1.0 x 8	0.21	1.30	1.10	0.16	3.1	0.5	21.7	20.0	3,500	571
1.0 x 9	0.21	1.30	1.10	0.16	3.2	0.5	23.0	20.0	3,500	636
1.0 x 10	0.21	1.30	1.10	0.16	3.2	0.5	23.3	20.0	3,500	638
1.0 x 11	0.21	1.30	1.10	0.16	3.2	0.5	23.3	20.0	3,500	659
1.0 x 12	0.21	1.30	1.10	0.16	3.2	0.5	23.9	20.0	3,500	694
1.0 x 13	0.21	1.30	1.10	0.16	3.3	0.5	24.4	20.0	3,500	733
1.0 x 14	0.21	1.30	1.10	0.16	3.3	0.5	25.0	20.0	3,500	770
1.0 x 15	0.21	1.30	1.10	0.16	3.3	0.5	25.5	20.0	3,500	803
1.0 x 16	0.21	1.30	1.10	0.16	3.4	0.5	26.3	20.0	3,500	854
1.0 x 17	0.21	1.30	1.10	0.16	3.4	0.5	26.9	20.0	3,500	890
1.0 x 18	0.21	1.30	1.10	0.18	3.4	0.5	27.5	20.0	3,500	941
1.0 x 19	0.21	1.30	1.10	0.18	3.4	0.5	27.5	20.0	3,500	963
1.0 x 20	0.21	1.30	1.10	0.18	3.5	0.5	28.8	20.0	3,500	1,030
1.0 x 21	0.21	1.30	1.10	0.18	3.6	0.5	29.7	20.0	3,500	1,083
1.0 x 22	0.21	1.30	1.10	0.18	3.6	0.5	30.2	20.0	3,500	1,122
1.0 x 23	0.21	1.30	1.10	0.18	3.7	0.5	31.8	20.0	3,500	1,176
1.0 x 24	0.21	1.30	1.10	0.18	3.7	0.5	31.8	20.0	3,500	1,197
1.0 x 25	0.21	1.30	1.10	0.18	3.7	0.5	31.8	20.0	3,500	1,219
1.0 x 26	0.21	1.30	1.10	0.18	3.7	0.5	31.8	20.0	3,500	1,240
1.0 x 27	0.21	1.30	1.10	0.18	3.7	0.5	32.4	20.0	3,500	1,276
1.0 x 28	0.21	1.30	1.10	0.18	3.7	0.5	32.4	20.0	3,500	1,298
1.0 x 29	0.21	1.30	1.10	0.18	3.7	0.5	32.7	20.0	3,500	1,327
1.0 x 30	0.21	1.30	1.10	0.18	3.8	0.5	33.6	20.0	3,500	1,381
1.5 x 1	0.26	1.59	1.10	0.12	2.5	0.5	10.9	13.7	3,500	157
1.5 x 2	0.26	1.59	1.10	0.14	2.7	0.5	15.4	13.7	3,500	279
1.5 x 3	0.26	1.59	1.10	0.14	2.8	0.5	16.2	13.7	3,500	327
1.5 x 4	0.26	1.59	1.10	0.14	2.8	0.5	17.2	13.7	3,500	377
1.5 x 5	0.26	1.59	1.10	0.16	2.9	0.5	18.6	13.7	3,500	449
1.5 x 6	0.26	1.59	1.10	0.16	3.0	0.5	20.1	13.7	3,500	516
1.5 x 7	0.26	1.59	1.10	0.16	3.1	0.5	21.5	13.7	3,500	586



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	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
1.5 x 8	0.26	1.59	1.10	0.16	3.2	0.5	22.9	13.7	3,500	660
1.5 x 9	0.26	1.59	1.10	0.16	3.2	0.5	24.2	13.7	3,500	724
1.5 x 10	0.26	1.59	1.10	0.16	3.3	0.5	24.7	13.7	3,500	741
1.5 x 11	0.26	1.59	1.10	0.16	3.3	0.5	24.7	13.7	3,500	769
1.5 x 12	0.26	1.59	1.10	0.16	3.3	0.5	25.3	13.7	3,500	811
1.5 x 13	0.26	1.59	1.10	0.16	3.3	0.5	25.6	13.7	3,500	846
1.5 x 14	0.26	1.59	1.10	0.16	3.4	0.5	26.5	13.7	3,500	903
1.5 x 15	0.26	1.59	1.10	0.18	3.4	0.5	27.2	13.7	3,500	958
1.5 x 16	0.26	1.59	1.10	0.18	3.5	0.5	28.0	13.7	3,500	1,019
1.5 x 17	0.26	1.59	1.10	0.18	3.5	0.5	28.6	13.7	3,500	1,063
1.5 x 18	0.26	1.59	1.10	0.18	3.5	0.5	29.2	13.7	3,500	1,108
1.5 x 19	0.26	1.59	1.10	0.18	3.5	0.5	29.2	13.7	3,500	1,136
1.5 x 20	0.26	1.59	1.10	0.18	3.6	0.5	30.6	13.7	3,500	1,215
1.5 x 21	0.26	1.59	1.10	0.18	3.7	0.5	31.5	13.7	3,500	1,276
1.5 x 22	0.26	1.59	1.10	0.18	3.7	0.5	32.0	13.7	3,500	1,324
1.5 x 23	0.26	1.59	1.10	0.18	3.8	0.5	33.8	13.7	3,500	1,386
1.5 x 24	0.26	1.59	1.10	0.18	3.8	0.5	33.8	13.7	3,500	1,414
1.5 x 25	0.26	1.59	1.10	0.18	3.8	0.5	33.8	13.7	3,500	1,442
1.5 x 26	0.26	1.59	1.10	0.18	3.8	0.5	33.8	13.7	3,500	1,470
1.5 x 27	0.26	1.59	1.10	0.18	3.8	0.5	34.4	13.7	3,500	1,514
1.5 x 28	0.26	1.59	1.10	0.18	3.8	0.5	34.4	13.7	3,500	1,542
1.5 x 29	0.26	1.59	1.10	0.18	3.9	0.5	34.9	13.7	3,500	1,595
1.5 x 30	0.26	1.59	1.10	0.18	3.9	0.5	35.6	13.7	3,500	1,642
2.5 x 1	0.26	2.10	1.10	0.12	2.5	0.5	11.4	8.21	3,500	179
2.5 x 2	0.26	2.10	1.10	0.14	2.8	0.5	16.6	8.21	3,500	331
2.5 x 3	0.26	2.10	1.10	0.14	2.8	0.5	17.3	8.21	3,500	385
2.5 x 4	0.26	2.10	1.10	0.16	2.9	0.5	18.7	8.21	3,500	468
2.5 x 5	0.26	2.10	1.10	0.16	3.0	0.5	20.2	8.21	3,500	549
2.5 x 6	0.26	2.10	1.10	0.16	3.1	0.5	21.8	8.21	3,500	634
2.5 x 7	0.26	2.10	1.10	0.16	3.2	0.5	23.4	8.21	3,500	722
2.5 x 8	0.26	2.10	1.10	0.16	3.3	0.5	25.0	8.21	3,500	814
2.5 x 9	0.26	2.10	1.10	0.16	3.4	0.5	26.6	8.21	3,500	910
2.5 x 10	0.26	2.10	1.10	0.18	3.4	0.5	27.0	8.21	3,500	933
2.5 x 11	0.26	2.10	1.10	0.18	3.4	0.5	27.0	8.21	3,500	973
2.5 x 12	0.26	2.10	1.10	0.18	3.5	0.5	27.9	8.21	3,500	1,043
2.5 x 13	0.26	2.10	1.10	0.18	3.5	0.5	28.2	8.21	3,500	1,092

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	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
2.5 x 14	0.26	2.10	1.10	0.18	3.5	0.5	29.1	8.21	3,500	1,152
2.5 x 15	0.26	2.10	1.10	0.18	3.6	0.5	29.9	8.21	3,500	1,221
2.5 x 16	0.26	2.10	1.10	0.18	3.6	0.5	30.6	8.21	3,500	1,284
2.5 x 17	0.26	2.10	1.10	0.18	3.7	0.5	31.5	8.21	3,500	1,358
2.5 x 18	0.26	2.10	1.10	0.18	3.7	0.5	32.1	8.21	3,500	1,419
2.5 x 19	0.26	2.10	1.10	0.18	3.7	0.5	32.1	8.21	3,500	1,458
2.5 x 20	0.26	2.10	1.10	0.18	3.8	0.5	33.7	8.21	3,500	1,557
2.5 x 21	0.26	2.10	1.10	0.18	3.9	0.5	34.7	8.21	3,500	1,635
2.5 x 22	0.26	2.10	1.10	0.18	3.9	0.5	35.3	8.21	3,500	1,698
2.5 x 23	0.26	2.10	1.10	0.18	4.0	0.5	37.2	8.21	3,500	1,775
2.5 x 24	0.26	2.10	1.10	0.20	4.0	0.5	37.3	8.21	3,500	1,835
2.5 x 25	0.26	2.10	1.10	0.20	4.0	0.5	37.3	8.21	3,500	1,874
2.5 x 26	0.26	2.10	1.10	0.20	4.0	0.5	38.2	8.21	3,500	1,914
2.5 x 27	0.26	2.10	1.10	0.20	4.1	0.5	38.2	8.21	3,500	1,992
2.5 x 28	0.26	2.10	1.10	0.20	4.1	0.5	38.6	8.21	3,500	2,032
2.5 x 29	0.26	2.10	1.10	0.20	4.1	0.5	39.4	8.21	3,500	2,082
2.5 x 30	0.26	2.10	1.10	0.20	4.1	0.5	11.9	8.21	3,500	2,144
4 x 1	0.31	2.60	1.10	0.12	2.5	0.5	17.8	5.09	3,500	204
4 x 2	0.31	2.60	1.10	0.14	2.9	0.5	18.6	5.09	3,500	392
4 x 3	0.31	2.60	1.10	0.16	2.9	0.5	20.1	5.09	3,500	473
4 x 4	0.31	2.60	1.10	0.16	3.0	0.5	21.8	5.09	3,500	569
4 x 5	0.31	2.60	1.10	0.16	3.1	0.5	23.5	5.09	3,500	671
4 x 6	0.31	2.60	1.10	0.16	3.2	0.5	25.2	5.09	3,500	778
4 x 7	0.31	2.60	1.10	0.16	3.3	0.5	27.0	5.09	3,500	890
4 x 8	0.31	2.60	1.10	0.16	3.4	0.5	28.8	5.09	3,500	1,005
4 x 9	0.31	2.60	1.10	0.18	3.5	0.5	29.2	5.09	3,500	1,140
4 x 10	0.31	2.60	1.10	0.18	3.5	0.5	29.2	5.09	3,500	1,159
4 x 11	0.31	2.60	1.10	0.18	3.5	0.5	30.2	5.09	3,500	1,215
4 x 12	0.31	2.60	1.10	0.18	3.6	0.5	30.6	5.09	3,500	1,304
4 x 13	0.31	2.60	1.10	0.18	3.6	0.5	31.7	5.09	3,500	1,370
4 x 14	0.31	2.60	1.10	0.18	3.7	0.5	32.3	5.09	3,500	1,464
4 x 15	0.31	2.60	1.10	0.18	3.7	0.5	33.3	5.09	3,500	1,538
4 x 16	0.31	2.60	1.10	0.18	3.8	0.5	34.1	5.09	3,500	1,637
4 x 17	0.31	2.60	1.10	0.18	3.8	0.5	35.0	5.09	3,500	1,714
4 x 18	0.31	2.60	1.10	0.18	3.9	0.5	35.0	5.09	3,500	1,811
4 x 19	0.31	2.60	1.10	0.18	3.9	0.5	36.7	5.09	3,500	1,868



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	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
4 x 20	0.31	2.60	1.10	0.18	4.0	0.5	37.8	5.09	3,500	1,991
4 x 21	0.31	2.60	1.10	0.20	4.0	0.5	38.6	5.09	3,500	2,093
4 x 22	0.31	2.60	1.10	0.20	4.1	0.5	40.7	5.09	3,500	2,194
4 x 23	0.31	2.60	1.10	0.20	4.2	0.5	40.7	5.09	3,500	2,291
4 x 24	0.31	2.60	1.10	0.20	4.2	0.5	40.7	5.09	3,500	2,347
4 x 25	0.31	2.60	1.10	0.20	4.2	0.5	40.7	5.09	3,500	2,403
4 x 26	0.31	2.60	1.10	0.20	4.2	0.5	41.7	5.09	3,500	2,459
4 x 27	0.31	2.60	1.10	0.20	4.3	0.5	41.7	5.09	3,500	2,557
4 x 28	0.31	2.60	1.10	0.20	4.3	0.5	42.1	5.09	3,500	2,614
4 x 29	0.31	2.60	1.10	0.20	4.3	0.5	43.3	5.09	3,500	2,682
4 x 30	0.31	2.60	1.10	0.20	4.3	0.5	42.8	5.09	3,500	2,834
6 x 1	0.31	3.20	1.10	0.14	2.6	0.5	19.1	3.39	3,500	246
6 x 2	0.31	3.20	1.10	0.16	2.9	0.5	20.1	3.39	3,500	465
6 x 3	0.31	3.20	1.10	0.16	3.0	0.5	21.8	3.39	3,500	570
6 x 4	0.31	3.20	1.10	0.16	3.1	0.5	23.6	3.39	3,500	691
6 x 5	0.31	3.20	1.10	0.16	3.2	0.5	25.5	3.39	3,500	819
6 x 6	0.31	3.20	1.10	0.16	3.3	0.5	27.4	3.39	3,500	953
6 x 7	0.31	3.20	1.10	0.16	3.4	0.5	29.6	3.39	3,500	1,093
6 x 8	0.31	3.20	1.10	0.18	3.6	0.5	29.6	3.39	3,500	1,267
6 x 9	0.31	3.20	1.10	0.18	3.7	0.5	31.6	3.39	3,500	1,418
6 x 10	0.31	3.20	1.10	0.18	3.7	0.5	32.0	3.39	3,500	1,446
6 x 11	0.31	3.20	1.10	0.18	3.7	0.5	32.0	3.39	3,500	1,522
6 x 12	0.31	3.20	1.10	0.18	3.8	0.5	33.1	3.39	3,500	1,636
6 x 13	0.31	3.20	1.10	0.18	3.8	0.5	33.5	3.39	3,500	1,724
6 x 14	0.31	3.20	1.10	0.18	3.9	0.5	34.7	3.39	3,500	1,842
6 x 15	0.31	3.20	1.10	0.18	3.9	0.5	35.5	3.39	3,500	1,939
6 x 16	0.31	3.20	1.10	0.20	4.0	0.5	36.6	3.39	3,500	2,083
6 x 17	0.31	3.20	1.10	0.20	4.0	0.5	37.5	3.39	3,500	2,185
6 x 18	0.31	3.20	1.10	0.20	4.1	0.5	38.5	3.39	3,500	2,308
6 x 19	0.31	3.20	1.10	0.20	4.1	0.5	38.5	3.39	3,500	2,384
6 x 20	0.31	3.20	1.10	0.20	4.2	0.5	40.4	3.39	3,500	2,539
6 x 21	0.31	3.20	1.10	0.20	4.3	0.5	41.7	3.39	3,500	2,665
6 x 22	0.31	3.20	1.10	0.20	4.3	0.5	42.3	3.39	3,500	2,774
6 x 23	0.31	3.20	1.10	0.26	4.4	0.5	45.0	3.39	3,500	2,965
6 x 24	0.31	3.20	1.10	0.26	4.4	0.5	45.0	3.39	3,500	3,041
6 x 25	0.31	3.20	1.10	0.26	4.4	0.5	45.0	3.39	3,500	3,117

# 0.6/1KV PNCT(R)-S

Manufactured Standard

No. Of Core 선심수	Conductor 도체		Insulation Thickness 절연두께	Sheath Diameter Wires Of Conductor 차폐소선경	Sheath Thickness 시스두께	Thickness Of Reinforce 보강층	Sheath Overall Diameter 시스외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Weight 케이블 중량
	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
6 x 26	0.31	3.20	1.10	0.26	4.4	0.5	45.0	3.39	3,500	3,193
6 x 27	0.31	3.20	1.10	0.26	4.5	0.5	46.1	3.39	3,500	3,318
6 x 28	0.31	3.20	1.10	0.26	4.5	0.5	46.1	3.39	3,500	3,394
6 x 29	0.31	3.20	1.10	0.26	4.5	0.5	46.5	3.39	3,500	3,485
6 x 30	0.31	3.20	1.10	0.26	4.6	0.5	47.7	3.39	3,500	3,615
10 x 1	0.41	4.80	1.10	0.14	2.7	0.5	14.6	1.95	3,500	337
10 x 2	0.41	4.80	1.10	0.16	3.2	0.5	22.9	1.95	3,500	672
10 x 3	0.41	4.80	1.10	0.16	3.2	0.5	24.0	1.95	3,500	828
10 x 4	0.41	4.80	1.10	0.16	3.4	0.5	26.2	1.95	3,500	1,029
10 x 5	0.41	4.80	1.10	0.16	3.5	0.5	28.5	1.95	3,500	1,230
16 x 1	0.41	6.00	1.10	0.16	2.8	0.5	16.0	1.24	3,500	434
16 x 2	0.41	6.00	1.10	0.16	3.3	0.5	25.5	1.24	3,500	855
16 x 3	0.41	6.00	1.10	0.18	3.4	0.5	27.1	1.24	3,500	1,101
16 x 4	0.41	6.00	1.10	0.18	3.6	0.5	29.6	1.24	3,500	1,376
16 x 5	0.41	6.00	1.10	0.18	3.7	0.5	32.2	1.24	3,500	1,651
25 x 1	0.41	7.40	1.10	0.18	2.9	0.5	18.4	0.795	3,500	598
25 x 2	0.41	7.40	1.10	0.18	3.6	0.5	30.3	0.795	3,500	1,217
25 x 3	0.41	7.40	1.10	0.18	3.7	0.5	32.1	0.795	3,500	1,567
25 x 4	0.41	7.40	1.10	0.18	3.9	0.5	35.2	0.795	3,500	1,973
25 x 5	0.41	7.40	1.10	0.20	4.1	0.5	38.7	0.795	3,500	2,421
35 x 1	0.41	8.70	1.10	0.20	3.0	0.5	20.0	0.565	3,500	743
35 x 2	0.41	8.70	1.10	0.20	3.8	0.5	33.4	0.565	3,500	1,525
35 x 3	0.41	8.70	1.10	0.20	3.9	0.5	35.4	0.565	3,500	1,983
35 x 4	0.41	8.70	1.10	0.20	4.1	0.5	38.8	0.565	3,500	2,504
35 x 5	0.41	8.70	1.10	0.26	4.3	0.5	42.9	0.393	3,500	3,123
50 x 1	0.41	10.40	1.10	0.16	3.2	0.5	22.8	0.393	3,500	966
50 x 2	0.41	10.40	1.10	0.20	4.1	0.5	39.1	0.393	3,500	2,050
50 x 3	0.41	10.40	1.10	0.20	4.3	0.5	41.7	0.393	3,500	2,712
50 x 4	0.41	10.40	1.10	0.26	4.5	0.5	46.1	0.393	3,500	3,513
50 x 5	0.41	10.40	1.10	0.26	4.8	0.5	50.8	0.277	3,500	4,308
70 x 1	0.51	12.50	1.10	0.16	3.3	0.5	25.1	0.277	3,500	1,234
70 x 2	0.51	12.50	1.10	0.26	4.4	0.5	44.2	0.277	3,500	2,718
70 x 3	0.51	12.50	1.10	0.26	4.6	0.5	47.1	0.277	3,500	3,612
70 x 4	0.51	12.50	1.10	0.26	4.8	0.5	51.8	0.277	3,500	4,588
70 x 5	0.51	12.50	1.10	0.26	5.2	0.5	57.3	0.210	3,500	5,664
95 x 1	0.51	14.50	1.10	0.18	3.5	0.5	28.0	0.210	3,500	1,588

# 0.6/1KV PNCT(R)-S

Manufactured Standard

No. Of Core 선심수	Conductor 도체		Insulation Thickness 절연두께	Sheath Diameter Wires Of Conductor 차폐소선경	Sheath Thickness 시스두께	Thickness Of Reinforce 보강층	Sheath Overall Diameter 시스외경	Conductor Resistance (20°C) 도체저항	Test Voltage 시험전압	Weight 케이블 중량
	Maximum Diameter of Wires in Conductor 도체최대 소선경	Approx. Outer Dia. 바깥지름								
SQMM x Core	Max./mm	mm	mm	mm	mm	mm	mm	Ω/km	V/5min	kg/km
95 x 2	0.51	14.50	1.10	0.26	4.7	0.5	49.7	0.210	3,500	3,457
95 x 3	0.51	14.50	1.10	0.26	4.9	0.5	53.0	0.210	3,500	4,631
95 x 4	0.51	14.50	1.10	0.26	5.2	0.5	58.5	0.210	3,500	5,934
95 x 5	0.51	14.50	1.10	0.26	5.6	0.5	64.7	0.164	3,500	7,331
120 x 1	0.51	16.20	1.10	0.18	3.6	0.5	29.9	0.164	3,500	1,884
120 x 2	0.51	16.20	1.10	0.26	4.9	0.5	53.5	0.164	3,500	4,097
120 x 3	0.51	16.20	1.10	0.26	5.2	0.5	57.3	0.164	3,500	5,556
120 x 4	0.51	16.20	1.10	0.26	5.5	0.5	63.2	0.132	3,500	7,133
150 x 1	0.51	18.20	1.10	0.18	3.7	0.5	32.6	0.132	3,500	2,279
150 x 2	0.51	18.20	1.10	0.26	5.3	0.5	59.2	0.132	3,500	5,012
150 x 3	0.51	18.20	1.10	0.26	5.5	0.5	63.1	0.132	3,500	6,790
150 x 4	0.51	18.20	1.10	0.26	5.9	0.5	69.9	0.108	3,500	8,769
185 x 1	0.51	20.20	1.10	0.18	3.9	0.5	35.4	0.108	3,500	2,736
185 x 2	0.51	20.20	1.10	0.26	5.6	0.5	64.6	0.108	3,500	6,000
185 x 3	0.51	20.20	1.10	0.26	5.9	0.5	69.2	0.108	3,500	8,200
185 x 4	0.51	20.20	1.10	0.26	6.3	0.5	76.6	0.0817	3,500	10,600
240 x 1	0.51	23.30	1.10	0.20	4.1	0.5	39.4	0.0817	3,500	3,494
240 x 2	0.51	23.30	1.10	0.26	6.1	0.5	72.7	0.0817	3,500	7,645
240 x 3	0.51	23.30	1.10	0.26	6.4	0.5	77.8	0.0817	3,500	10,497
240 x 4	0.51	23.30	1.10	0.26	6.9	0.5	86.3	0.0654	3,500	13,633
300 x 1	0.51	26.00	1.10	0.26	4.3	0.5	43.2	0.0654	3,500	4,299
300 x 2	0.51	26.00	1.10	0.26	6.5	0.5	79.8	0.0654	3,500	9,256
300 x 3	0.51	26.00	1.10	0.26	6.8	0.5	85.4	0.0654	3,500	12,758
300 x 4	0.51	26.00	1.10	0.26	7.4	0.5	94.9	0.0495	3,500	16,632
400 x 1	0.51	30.30	1.10	0.26	4.7	0.5	48.8	0.0495	3,500	5,620
400 x 2	0.51	30.30	1.10	0.26	7.1	0.5	90.5	0.0495	3,500	12,069
400 x 3	0.51	30.30	1.10	0.26	7.5	0.5	97.0	0.0495	3,500	16,769
400 x 4	0.51	30.30	1.10	0.26	8.1	0.5	107.7	0.0495	3,500	21,878



## 60245 IEC 53

300/500V

No. Of Core 선심수	Thickness Of Insulation 절연두께	Thickness Of Sheath 시스두께	Mean Overall Diameter			Weight 케이블 중량
			Lower Limit 하한	AVG Limit 평균	Upper Limit 상한	
SQMM x Core	mm	mm	mm	mm	mm	kg/km
0.75 x 2	0.6	0.8	6.0	7.1	8.2	58
1.0 x 2	0.6	0.9	6.6	7.7	8.8	69
1.5 x 2	0.8	1.0	8.0	9.8	10.5	107
2.5 x 2	0.9	1.1	9.5	11.0	12.5	155
0.75 x 3	0.6	0.9	6.5	7.7	8.8	72
1.0 x 3	0.6	0.9	7.0	8.1	9.2	82
1.5 x 3	0.8	1.0	8.6	9.8	11.0	127
2.5 x 3	0.9	1.1	10.0	11.5	13.0	192
0.75 x 4	0.6	0.9	7.1	8.4	9.6	87
1.0 x 4	0.6	0.9	7.6	8.8	10.0	103
1.5 x 4	0.8	1.1	9.6	11.1	12.5	158
2.5 x 4	0.9	1.2	11.0	12.5	14.0	233
0.75 x 5	0.6	1.0	8.0	9.5	11.0	109
1.0 x 5	0.6	1.0	8.5	10.0	11.5	122
1.5 x 5	0.8	1.1	10.5	12.0	13.5	193
2.5 x 5	0.9	1.3	12.5	14.0	15.5	285

## 60245 IEC 57

300/500V

No. Of Core 선심수	Thickness Of Insulation 절연두께	Thickness Of Sheath 시스두께	Mean Overall Diameter			Weight 케이블 중량
			Lower Limit 하한	AVG Limit 평균	Upper Limit 상한	
SQMM x Core	mm	mm	mm	mm	mm	kg/km
0.75 x 2	0.6	0.8	6	7.1	8.2	58
1.0 x 2	0.6	0.9	6.6	7.7	8.8	69
1.5 x 2	0.8	1.0	8.0	9.8	10.5	107
2.5 x 2	0.9	1.1	9.5	11.0	12.5	155
0.75 x 3	0.6	0.9	6.5	7.7	8.8	72
1.0 x 3	0.6	0.9	7.0	8.1	9.2	82
1.5 x 3	0.8	1.0	8.6	9.8	11.0	127
2.5 x 3	0.9	1.1	10.0	11.5	13.0	192
0.75 x 4	0.6	0.9	7.1	8.4	9.6	87
1.0 x 4	0.6	0.9	7.6	8.8	10.0	103
1.5 x 4	0.8	1.1	9.6	11.1	12.5	158
2.5 x 4	0.9	1.2	11.0	12.5	14.0	233
0.75 x 5	0.6	1.0	8.0	9.5	11.0	109
1.0 x 5	0.6	1.0	8.5	10.0	11.5	122
1.5 x 5	0.8	1.1	10.5	12.0	13.5	193
2.5 x 5	0.9	1.3	12.5	14.0	15.5	285

# 60245 IEC 66

450/750V

No. Of Core 선심수	Thickness Of Insulation 절연두께	Thickness Of Insulation Specified Value			Mean Overall Diameter			Weight 케이블 중량
		One Layer 단층	Two Layer		Lower Limit 하한	AVG Limit 평균	Upper Limit 상한	
			Inner Layer 내측층	Outer Layer 외측층				
SQMM x Core	mm	mm	mm	mm	mm	mm	kg/km	
1.5 x 1	0.8	1.4	-	-	5.8	6.5	7.2	48
2.5 x 1	0.9	1.4	-	-	6.4	7.2	8.0	68
4 x 1	1.0	1.5	-	-	7.4	8.2	9.0	94
6 x 1	1.0	1.6	-	-	8.0	9.5	11.0	120
10 x 1	1.2	1.8	-	-	9.8	11.2	12.5	193
16 x 1	1.2	1.9	-	-	11.0	12.8	14.5	269
25 x 1	1.4	2.0	-	-	12.5	14.5	16.5	399
35 x 1	1.4	2.2	-	-	14.0	16.3	18.5	520
50 x 1	1.6	2.4	-	-	16.5	18.8	21.0	725
70 x 1	1.6	2.6	-	-	18.5	21.0	23.5	974
95 x 1	1.8	2.8	-	-	21.0	23.5	26.0	1,263
120 x 1	1.8	3.0	-	-	23.5	26.0	28.5	1,519
150 x 1	2.0	3.2	-	-	26.0	28.8	31.5	1,906
185 x 1	2.2	3.4	-	-	27.5	31.0	34.5	2,344
240 x 1	2.4	3.5	-	-	30.5	34.3	38.0	3,122
300 x 1	2.6	3.6	-	-	33.5	37.7	41.9	3,849
400 x 1	2.8	3.8	-	-	37.5	42.0	46.5	5,124
1.0 x 1	0.8	1.3	-	-	8.0	9.3	10.5	94
1.5 x 2	0.8	1.5	-	-	9.0	10.3	11.5	135
2.5 x 2	0.9	1.7	-	-	10.5	12.0	13.5	193
4 x 2	1.0	1.8	-	-	12.0	13.5	15.0	269
6 x 2	1.0	2.0	-	-	13.5	16.0	18.5	344
10 x 2	1.2	3.1	-	-	18.5	21.3	24.0	579
16 x 2	1.2	3.3	1.3	2.0	21.0	24.3	27.5	797
25 x 2	1.4	3.6	1.4	2.2	25.0	28.3	31.5	1,182
1 x 3	0.8	1.4	-	-	8.6	10.1	11.5	114
1.5 x 3	0.8	1.6	-	-	9.6	11.1	12.5	160
2.5 x 3	0.9	1.8	-	-	11.5	13.0	14.5	231
4 x 3	1.0	1.9	-	-	13.0	14.5	16.0	325
6 x 3	1.0	2.1	-	-	14.5	17.3	20.0	421
10 x 3	1.2	3.3	-	-	20.0	22.8	25.5	704
16 x 3	1.2	3.5	1.4	2.1	22.5	26.0	29.5	980
25 x 3	1.4	3.8	1.5	2.3	26.5	30.3	34.0	146
35 x 3	1.4	4.1	1.6	2.5	29.5	33.8	38.0	1,953
50 x 3	1.6	4.5	1.8	2.7	34.5	39.3	44.0	2,672
70 x 3	1.6	4.8	1.9	2.9	39.0	44.3	49.5	3,585

# 60245 KS IEC 66

450/750V

No. Of Core 선심수	Thickness Of Insulation 절연두께	Thickness Of Insulation Specified Value			Mean Overall Diameter			Weight 케이블 중량
		One Layer 단층	Two Layer		Lower Limit 하한	AVG Limit 평균	Upper Limit 상한	
			Inner Layer 내측층	Outer Layer 외측층				
SQMM x Core	mm	mm	mm	mm	mm	mm	kg/km	
95 X 3	1.8	5.3	2.1	3.2	44.0	49.0	54.0	4682
1.0 X 4	0.8	1.5	-	-	9.6	11.1	12.5	139
1.5 X 4	0.8	1.7	-	-	10.5	12.0	13.5	196
2.5 X 4	0.9	1.9	-	-	12.5	14.0	15.5	285
4 X 4	1.0	2.0	-	-	14.5	16.3	18.0	404
6 X 4	1.0	2.3	-	-	16.5	19.3	22.0	525
10 X 4	1.2	3.4	-	-	21.5	24.8	28.0	879
16 X 4	1.2	3.6	1.4	2.2	24.5	28.3	32.0	1,229
25 X 4	1.4	4.1	1.6	2.5	29.5	33.5	37.5	1,716
35 X 4	1.4	4.4	1.7	2.7	33.0	37.5	42.0	2,405
50 X 4	1.6	4.8	1.9	2.9	38.0	43.3	48.5	3,379
70 X 4	1.6	5.2	2.0	3.2	43.0	48.8	54.5	4,544
95 X 4	1.8	5.9	2.3	3.6	49.0	54.8	60.5	5,935
120 X 4	1.8	6.0	2.4	3.6	53.0	59.3	65.5	7,147
150 X 4	2.0	6.5	2.6	3.9	58.5	66.3	74.0	8,985
1.0 X 5	0.8	1.6	-	-	10.5	12.0	13.5	170
1.5 X 5	0.8	1.8	-	-	11.5	13.3	15.0	239
2.5 X 5	0.9	2.0	-	-	13.5	15.3	17.0	349
4 X 5	1.0	2.2	-	-	16.0	17.8	19.5	495
6 X 5	1.0	2.5	-	-	18.0	21.3	24.5	644
10 X 5	1.2	3.6	-	-	24.0	27.3	30.5	1,079
16 X 5	1.2	3.9	1.5	2.4	27.0	31.3	35.5	1,511
25 X 5	1.4	4.4	1.7	2.7	32.5	37.0	41.5	



# H07RN-F

Dimensions of type H07RN-F

Number And Nominal Cross Sectional Area Of Conductors	Thickness Of Insulation Specified Value	Thickness Of Insulation Specified Value			Mean Overall Diameter		Weight 케이블 중량 kg/km
		One Layer 단층	Two Layer		Lower Limit 하한	Upper Limit 상한	
			Inner Layer 내측층	Outer Layer 외측층			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km
1 x 1.5	0.8	1.4	-	-	5.7	7.1	48
1 x 2.5	0.9	1.4	-	-	6.3	7.9	68
1 x 4	1.0	1.5	-	-	7.2	9.0	94
1 x 6	1.0	1.6	-	-	7.9	9.8	120
1 x 10	1.2	1.8	-	-	9.5	11.9	193
1 x 16	1.2	1.9	-	-	10.8	13.4	269
1 x 25	1.4	2.0	-	-	12.7	15.8	399
1 x 35	1.4	2.2	-	-	14.3	17.9	520
1 x 50	1.6	2.4	-	-	16.5	20.6	725
1 x 70	1.6	2.6	1.0	1.6	18.6	23.3	974
1 x 95	1.8	2.8	1.1	1.7	20.8	26.0	1,263
1 x 120	1.8	3.0	1.2	1.8	22.8	28.6	1,519
1 x 150	2.0	3.2	1.3	1.9	25.2	31.4	1,906
1 x 185	2.2	3.4	1.4	2.0	27.6	34.4	2,344
1 x 240	2.4	3.5	1.4	2.1	30.6	38.3	3,122
1 x 300	2.6	3.6	1.4	2.2	33.5	41.9	3,849
1 x 400	2.8	3.8	1.5	2.3	37.4	46.8	5,124
1 x 500	3.0	4.0	1.6	2.4	41.3	52.0	-
2 x 1	0.8	1.3	-	-	7.7	10.0	94
2 x 1.5	0.8	1.5	-	-	8.5	11.0	135
2 x 2.5	0.9	1.7	-	-	10.2	13.1	193
2 x 4	1.0	1.8	-	-	11.8	15.1	269
2 x 6	1.0	2.0	-	-	13.1	16.8	344
2 x 10	1.2	3.1	1.2	1.9	17.7	22.6	579
2 x 16	1.2	3.3	1.3	2.0	20.2	25.7	797
2 x 25	1.4	3.6	1.4	2.2	24.3	30.7	1,182

# H07RN-F

Dimensions of type H07RN-F

Number And Nominal Cross Sectional Area Of Conductors	Thickness Of Insulation Specified Value	Thickness Of Insulation Specified Value			Mean Overall Diameter		Weight 케이블 중량 kg/km
		One Layer 단층	Two Layer		Lower Limit 하한	Upper Limit 상한	
			Inner Layer 내층	Outer Layer 외층			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km
3 x 1	0.8	1.4	-	-	8.3	10.7	114
3 x 1.5	0.8	1.6	-	-	9.2	11.9	160
3 x 2.5	0.9	1.8	-	-	10.9	14	231
3 x 4	1.0	1.9	-	-	12.7	16.2	325
3 x 6	1.0	2.1	-	-	14.1	18	421
3 x 10	1.2	3.3	1.3	2.0	19.1	24.2	704
3 x 16	1.2	3.5	1.4	2.1	21.8	27.6	980
3 x 25	1.4	3.8	1.5	2.3	26.1	33	1,465
3 x 35	1.4	4.1	1.6	2.5	29.3	37.1	1,953
3 x 50	1.6	4.5	1.8	2.7	34.1	42.9	2,672
3 x 70	1.6	4.8	1.9	2.9	38.4	48.3	3,585
3 x 95	1.8	5.3	2.1	3.2	43.3	54	4,682
3 x 120	1.8	5.6	2.2	3.4	47.4	60	5,633
3 x 150	2.0	6.0	2.4	3.6	52	66	7,076
3 x 185	2.2	6.4	2.5	3.9	57	72	8,712
3 x 240	2.4	7.1	2.8	4.3	65	82	11,564
3 x 300	2.6	7.7	3.1	4.6	72	90	14,271
4 x 1	0.8	1.5	-	-	9.2	11.9	139
4 x 1.5	0.8	1.7	-	-	10.2	13.1	196
4 x 2.5	0.9	1.9	-	-	12.1	16.5	285
4 x 4	1.0	2.0	-	-	14	17.9	404
4 x 6	1.0	2.3	-	-	15.7	20	525
4 x 10	1.2	3.4	1.4	2.0	20	26.5	879
4 x 16	1.2	3.6	1.4	2.2	23.8	30.1	1,229
4 x 25	1.4	4.1	1.6	2.5	28.9	36.6	1,844
4 x 35	1.4	4.4	1.7	2.7	32.5	41.1	2,405
4 x 50	1.6	4.8	1.9	2.9	37.7	47.5	3,379
4 x 70	1.6	5.2	2.0	3.2	42.7	54	4,544
4 x 95	1.8	5.9	2.3	3.6	48.4	61	5,935
4 x 120	1.8	6.0	2.4	3.6	53	66	7,147
4 x 150	2.0	6.5	2.6	3.9	58	73	8,985
4 x 185	2.2	7.0	2.8	4.2	64	80	11,069
4 x 240	2.4	7.7	3.1	4.6	72	91	14,716
4 x 300	2.6	8.4	3.3	5.1	80	101	18,170

# 60245 KS C IEC 81/82



용접용 케이블은 밧데리 및 아크용접기에 사용되는 케이블로 홀더용과 리드용으로 구분되어 생산한다. 또한 고무 재질로 구성된 케이블로 유연성이 우수하고 이동성이 매우 편리하며, 기계적 내성이 높은 케이블이다.

Cables for welding are the cables used for batteries and arc welders, which are separately produced for holders and for leads. Besides, this is a cable composed of rubber materials, which has excellent flexibility, very convenient mobility and high mechanical durability.

60245 KSC IEC 81 : 천연고무 또는 이와 동등한 합성고무 시스의 아크 용접 전극 케이블

60245 KSC IEC 82 : 클로로프렌 또는 이와 동등한 합성고무 시스의 아크 용접 전극 케이블

Conductor 도체		Total Thickness Of Covering Specified Value 피복합계두께	Thickness Of Sheath Of Composite Covering Specified Value 복합피복(1) 시즈두께	Mean Overall Diameter 평균 완성 외경		Maximum Conductor Resistance (20°C) 최대 도체저항	
Nominal Cross Sectional Area 공칭단면적	Maximum Diameter Of Wires In Conductor 최대소선지름			Lower Limit 하한	Upper Limit 상한	Tinned Wires	Untinned Wires
mm <sup>2</sup>	mm	mm	mm(약)	mm	mm	Ω/km	Ω/km
16	0.21	2.0	1.3	9.2	11.5	1.190	1.160
25	0.21	2.0	1.3	10.5	13.0	0.780	0.758
35	0.21	2.0	1.3	11.5	14.5	0.552	0.536
50	0.21	2.2	1.5	13.5	17.0	0.390	0.379
70	0.21	2.4	1.6	15.5	19.5	0.276	0.268
95	0.21	2.6	1.7	18.0	22.0	0.204	0.198



# 600V WL1

차량용 가교 폴리에틸렌 전선 ( 600V WL1 )



차량용 케이블은 철도 차량용 전기기기의 접속, 인출선, 차체배선 또는 점퍼선으로 사용, 고객 요구사항에 따라 할로겐 프리재질을 적용하기도 한다.

Used for the connection and draw lead, car body wiring or jumper line for cables for vehicles and electric devices for railway vehicles.

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경		Insulation Resistance (20°C) 절연저항 Min.	Conductor Resistance (20°C) 도체저항 Max.	Test Voltage 시험전압
Nominal Cross Sectional Area 공칭단면적	Composition 구성	Approx. Outer Diameter 바깥지름		Nom.	Max.			
mm <sup>2</sup>	No/mm	mm	mm	mm	mm	MΩ·km	Ω/km	V/1min
0.75	30 / 0.18	1.2	1.1	3.3	3.6	160	25.8	4,400
1.25	50 / 0.18	1.5	1.1	3.6	3.9	140	15.5	4,400
2.0	37 / 0.26	1.8	1.1	4.0	4.3	120	9.91	4,400
3.5	45 / 0.32	2.5	1.1	4.5	4.9	45	5.38	2,200
5.5	37 / 0.45	3.1	1.1	5.1	5.5	40	3.50	2,200
8.0	50 / 0.45	3.7	1.1	5.7	6.1	35	2.45	2,200
14	7 / 16 / 0.45	4.9	1.1	6.9	7.3	30	1.390	2,200
22	7 / 20 / 0.45	7.0	1.4	9.6	10.0	30	0.892	2,200
30	7 / 27 / 0.45	8.1	1.4	10.7	11.1	20	0.661	2,200
38	7 / 34 / 0.45	9.1	1.4	11.7	12.1	20	0.525	2,200
50	19 / 16 / 0.45	10.0	1.8	13.9	14.4	20	0.411	2,500
60	19 / 20 / 0.45	11.6	1.8	15.0	15.6	20	0.329	2,500
80	19 / 27 / 0.45	13.5	1.8	17.0	17.6	20	0.243	2,500
100	19 / 34 / 0.45	15.2	2.3	19.6	20.2	20	0.193	3,000
125	19 / 42 / 0.45	16.9	2.3	21.3	21.9	20	0.160	3,000
150	27 / 34 / 0.45	18.7	2.3	22.9	23.9	15	0.136	3,000
200	37 / 34 / 0.45	21.2	2.5	25.8	26.6	15	0.0993	3,000

## 1500V WL2

차량용 가교 폴리에틸렌 전선 (1500V WL2)

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경		Insulation Resistance (20°C) 절연저항 Min.	Conductor Resistance (20°C) 도체저항 Max.	Test Voltage 시험전압
Nominal Cross Sectional Area 공칭단면적	Composition 구성	Approx. Outer Diameter 바깥지름		Nom.	Max.			
mm <sup>2</sup>	No/mm	mm	mm	mm	mm	MΩ·km	Ω/km	V/1min
0.75	30 / 0.18	1.2	2.0	5.0	5.4	180	25.8	6,500
1.25	50 / 0.18	1.5	2.0	5.3	5.7	180	15.5	6,500
2.0	37 / 0.26	1.8	2.0	5.7	6.1	180	9.91	6,500
3.5	45 / 0.32	2.5	2.0	6.3	6.7	160	5.38	6,500
5.5	37 / 0.45	3.1	2.0	6.9	7.3	150	3.50	6,500
8.0	50 / 0.45	3.7	2.0	7.5	7.9	140	2.45	6,500
14	7 / 16 / 0.45	4.9	2.0	8.8	9.2	130	1.390	6,500
22	7 / 20 / 0.45	7.0	2.0	10.8	11.2	120	0.892	7,000
30	7 / 27 / 0.45	8.1	2.0	11.9	12.3	110	0.661	7,000
38	7 / 34 / 0.45	9.1	2.0	12.9	13.3	100	0.525	7,000
50	19 / 16 / 0.45	10	2.5	15.3	15.8	100	0.411	7,000
60	19 / 20 / 0.45	11.6	2.5	16.5	17.0	100	0.329	7,000
80	19 / 27 / 0.45	13.5	2.5	18.4	18.9	80	0.243	7,000
100	19 / 34 / 0.45	15.2	2.5	20.1	20.6	80	0.193	7,000
125	19 / 42 / 0.45	16.9	2.5	21.8	22.3	50	0.160	7,000
150	27 / 34 / 0.45	18.7	2.5	23.6	24.1	50	0.136	7,000
200	37 / 34 / 0.45	21.2	3.0	27.1	27.7	50	0.0939	7,000
250	37 / 42 / 0.45	23.6	3.0	29.5	30.1	50	0.0760	7,000

## 3300V MLFC

차량용 가교 폴리에틸렌 전선 (3300V MLFC)

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경		Insulation Resistance (20°C) 절연저항 Min.	Conductor Resistance (20°C) 도체저항 Max.	Test Voltage 시험전압
Nominal Cross Sectional Area 공칭단면적	Composition 구성	Approx. Outer Diameter 바깥지름		Nom.	Max.			
mm <sup>2</sup>	No/mm	mm	mm	mm	mm	MΩ·km	Ω/km	V/1min
3.5	45 / 0.32	2.5	2.5	6.6	7.2	75	5.38	8,000
5.5	37 / 0.45	3.1	2.5	7.2	7.8	65	3.5	8,000
8	50 / 0.45	3.7	2.5	7.8	8.4	60	2.45	8,000
14	7 / 16 / 0.45	4.9	2.5	9.0	9.7	50	1.390	8,000
22	7 / 20 / 0.45	7.0	2.5	11.1	11.9	45	0.892	8,000
30	7 / 27 / 0.45	8.1	2.5	12.3	13.0	35	0.661	8,000
38	7 / 34 / 0.45	9.1	2.5	13.2	14.1	30	0.525	8,000
50	19 / 16 / 0.45	10	3.0	15.5	16.4	30	0.411	8,000

### 3300V MLFC

차량용 가교 폴리에틸렌 전선 ( 3300V MLFC )

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경		Insulation Resistance (20°C) 절연저항 Min.	Conductor Resistance (20°C) 도체저항 Max.	Test Voltage 시험전압
Nominal Cross Sectional Area 공칭단면적	Composition 구성	Approx. Outer Diameter 바깥지름		Nom.	Max.			
mm <sup>2</sup>	No/mm	mm	mm	mm	mm	MΩ·km	Ω/km	V/1 min
60	19 / 20 / 0.45	11.6	3.0	16.8	17.6	30	0.329	8,000
80	19 / 27 / 0.45	13.5	3.0	18.6	19.6	25	0.243	8,000
100	19 / 34 / 0.45	15.2	3.0	20.3	21.4	25	0.193	8,000
125	19 / 42 / 0.45	16.9	3.0	23.0	23.1	20	0.160	8,000
150	27 / 34 / 0.45	18.7	3.0	24.0	24.9	20	0.136	8,000
200	37 / 34 / 0.45	21.2	3.5	27.1	27.7	20	0.0939	8,000
250	37 / 42 / 0.45	23.6	3.5	29.5	30.1	20	0.0760	8,000

### 6600V MLFC

차량용 가교 폴리에틸렌 전선 ( 6600V MLFC )

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경		Insulation Resistance (20°C) 절연저항 Min.	Conductor Resistance (20°C) 도체저항 Max.	Test Voltage 시험전압
Nominal Cross Sectional Area 공칭단면적	Composition 구성	Approx. Outer Diameter 바깥지름		Nom.	Max.			
mm <sup>2</sup>	No/mm	mm	mm	mm	mm	MΩ·km	Ω/km	V/1 min
8	50 / 0.45	3.7	4.0	11.3	12.1	90	2.45	15,000
14	7 / 16 / 0.45	4.9	4.0	12.6	13.6	75	1.39	15,000
22	7 / 20 / 0.45	7.0	4.0	14.7	15.7	60	0.892	15,000
38	7 / 34 / 0.45	9.1	4.0	16.8	17.6	50	0.525	15,000
50	19 / 16 / 0.45	10.0	4.0	17.9	19.2	45	0.411	15,000
60	19 / 20 / 0.45	11.6	4.0	19.4	20.3	40	0.329	15,000
80	19 / 27 / 0.45	13.5	4.0	21.4	22.2	35	0.243	15,000
100	19 / 34 / 0.45	15.2	4.0	23.0	23.8	35	0.193	15,000
125	19 / 42 / 0.45	16.9	4.0	24.7	25.5	30	0.160	15,000
150	27 / 34 / 0.45	18.7	4.0	26.4	27.5	30	0.136	15,000
200	37 / 34 / 0.45	21.2	4.5	30.0	31.0	25	0.0939	15,000
250	37 / 42 / 0.45	23.6	4.5	32.4	33.3	25	0.0760	15,000

## CR LEAD WIRE

Manufactured Standard

Conductor 도체			Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경	Insulation Resistance (20°C) 절연저항	Conductor Resistance (20°C) 도체저항	Voltage Test A/C 절연내력
Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Diameter 바깥지름					
mm <sup>2</sup>	Max./mm	mm	mm	mm(약)	MΩ·km	Ω/km	V/5min
0.75	0.21	1.1	1.1	3.4	25.8	6	1,500
1.0	0.21	1.3	1.1	3.6	20.0	6	1,500
1.5	0.26	1.6	1.1	3.8	13.7	6	1,500
2.5	0.26	2.1	1.1	4.3	8.21	6	1,500
4.0	0.31	2.6	1.1	4.8	5.09	6	1,500
6.0	0.31	3.2	1.1	5.4	3.39	5	1,500
10	0.41	4.2	1.1	6.4	1.95	5	2,000
16	0.41	5.9	1.4	8.7	1.24	5	2,000
25	0.41	7.4	1.4	10.2	0.795	4	2,000
30	0.51	8.7	1.4	10.9	0.661	4	2,000

## M13486(국방 TYPE)

Manufactured Standard

Standard 규격	Conductor 도체		Insulation Thickness 절연두께	Overall Diameter (Approx) 완성품외경	Thickness Of Sheath 시스두께 mm
	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Diameter 바깥지름			
	Max./mm	mm	mm	mm(약)	Ω/km
1-3	0.31	1.4	1.0	-	3.5
1-5	0.41	1.8	1.1	-	4.0
1-7	0.51	2.4	1.7	-	5.9
1-8	0.31	3.0	2.2	-	7.5
1-9	0.31	4.2	1.0	1.5	9.2
1-10	0.41	5.4	1.0	1.5	10.4
1-11	0.51	6.8	1.0	1.7	12.2
1-12	0.31	8.9	1.2	2.1	15.5
1-14	0.31	11.1	1.2	1.6	16.8
1-15	0.31	12.2	1.2	1.9	18.4
2-2	0.31	1.4	0.6	0.7	4.9
5-1	0.31	1.2	0.6	1.0	6.9
10-1	0.41	1.8	0.9	3.0	18.4
11-1	0.41	1.6	1.0	3.6	18.4
12-1	0.41	1.8	0.9	3.6	22.6
13-1	0.31	0.9	0.8	2.5	16.7



# TRAVELLING CABLES

이동용 케이블



## TRAVELLING CABLES | 이동용케이블

### HIGH TENSION CABLE | 고정력 케이블

0.6/1KV HTC-RP2  
0.6/1KV HTC-RP3  
0.6/1KV HTC-FP2  
0.6/1KV HTC-FP3  
0.6/1KV HTC-RC2/HTC-RC2(S)  
0.6/1KV HTC-RC3/HTC-RC3(S)  
0.6/1KV HTC-FC2/HTC-FC2(S)  
0.6/1KV HTC-FC3/HTC-FC3(S)

### FESTOON CABLE | 커튼용 케이블

0.6/1KV FTC-RP2  
0.6/1KV FTC-RC3/FTC-RC3(S)  
0.6/1KV FTC-FP2  
0.6/1KV FTC-RC2/FTC-RC2(S)  
0.6/1KV FTC-FC3/FTC-FC3(S)

### SPREADER CABLE | 스프레더 케이블

0.6/1KV STC-RC2  
0.6/1KV STC-RC2/STC-RC2(S)

### HIGH VOLTAGE CABLE | 고압용 케이블

3.6/6KV HVC-RP3  
6/10KV HVC-RP3  
3.6/6KV HVC-FP3  
6/10KV HVC-FP3



# 케이블 품명 설명

Type Designation of Cable

Specified Items on Purchase Order



## CABLE TYPE

HTC 고장력 케이블  
High Tension Cable

FTC 커텐용 케이블  
Festoon Cable

STC 스프레더 케이블  
Spreader Cable

HVC 고압 케이블  
High Voltage Cable

Use (S) 동편조차폐 Shield  
비차폐 Non-Shield

Class 2 : 보강층없음 With Reinforce Layer  
3 : 보강층있음 Without Reinforce Layer

Use P : 전력용 For Power Circuit  
C : 제어용 For Control Circuit

Figure R : 원형 Round Type  
F : 평형 Flat Type

Specification	Rated voltage	600V, 0.6/1kV, 3.3kV, 3.6kV/6kV, 6. 6kV, 6/10kV, etc.
	Type designation	HTC-RC 2, FTC-RC 2, STC-RC 2 , HVC-RP 3, etc.
	Size	No. of cores X Conductor nominal area
	Overall diameter	If necessary, Specify max. overall diameter.
	Length	Total length, Unit length
Condition	Site	Steel works, Port, Power station, etc.
	Machinery	Stacker, Reclaimer, Unloader, etc.
	Max. Tension	Pulling tension
	Movement	Distance, Speed, Time, etc
	Spec. of reel	Dimensions, Torque, etc.



# 0.6/1KV HTC-RP2



이동용 케이블은 각종 산업 현장의 운송기계, 하역기계등의 릴용 케이블로 이동 설비에 전력 공급 및 제어용으로 사용하는 제품으로 충격, 마찰, 굴곡 등의 기계적 내성 및 내유, 내수, 내열등의 화학적 내성을 요구한다.

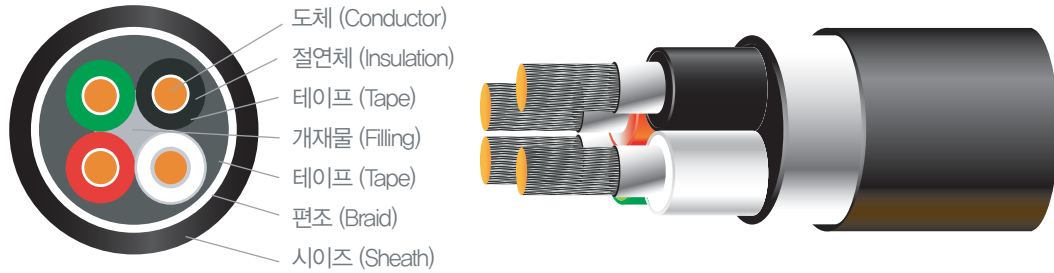
A cable for movement is a cable for reels such as transportation machines, loading machines, etc. at various industrial sites, which is used to supply power to and control movement equipment, requiring mechanical durability such as impacts, friction, bending, etc. and chemical resistance such as oil resistance, water resistance, heat resistance, etc.

### Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross 공칭 단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Approx. Outer Diameter 바깥지름		Thickness Of Sheath 시스두께	Overall Diame-ter(approx.) 완성외경	Weight (approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diame-ter(approx.) 완성외경	Weight (approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
6	0.31	3.6	1.1	2.2	19.0	600	2.3	21.0	730	3.390	500	3,500
10	0.41	4.8	1.1	2.4	22.0	850	2.5	24.0	1,050	1.950	400	3,500
16	0.41	6.0	1.2	2.6	25.0	1,170	2.7	27.0	1,450	1.240	400	3,500
25	0.41	7.4	1.2	2.8	28.0	1,600	3.0	31.0	2,010	0.795	400	3,500
35	0.41	8.7	1.2	3.0	31.0	2,010	3.2	35.0	2,570	0.565	400	3,500
50	0.41	10.4	1.5	3.3	37.0	2,800	3.5	41.0	3,540	0.393	400	3,500
70	0.51	12.5	2.0	3.7	44.0	3,990	4.0	49.0	5,030	0.277	400	3,500
95	0.51	14.5	2.0	4.0	49.0	5,080	4.3	54.0	6,420	0.210	400	3,500
120	0.51	16.2	2.0	4.2	53.0	6,130	4.6	59.0	7,780	0.164	400	3,500
150	0.51	18.2	2.0	4.5	58.0	7,450	4.9	64.0	9,460	0.132	400	3,500
185	0.51	20.2	2.5	4.9	65.0	9,290	5.4	72.0	11,830	0.108	400	3,500
240	0.51	23.3	2.5	5.3	72.0	11,810	5.8	80.0	15,060	0.082	400	3,500
300	0.51	26.0	2.5	5.7	78.0	14,310	6.3	88.0	18,290	0.065	400	3,500



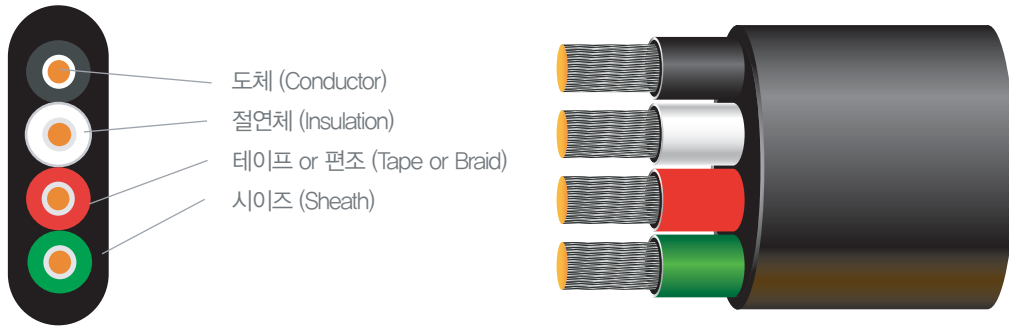
# 0.6/1KV HTC-RP3



Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연두께	3심 3 Cores			4심 4 Cores			Conductor-resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭 단면적	Maximim Di- meter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
6	0.31	3.6	1.2	3.1	22.0	640	3.3	24.0	780	3.390	400	3,500
10	0.41	4.8	1.2	3.3	25.0	890	3.5	27.0	1,100	1.950	300	3,500
16	0.41	6.0	1.6	3.6	30.0	1,280	3.8	32.0	1,600	1.240	300	3,500
25	0.41	7.4	1.6	3.8	33.0	1,710	4.0	36.0	2,130	0.795	300	3,500
35	0.41	8.7	1.6	4.0	36.0	2,140	4.2	40.0	2,680	0.565	200	3,500
50	0.41	10.4	2.1	4.4	43.0	3,000	4.6	47.0	3,770	0.393	200	3,500
70	0.51	12.5	2.1	4.6	47.0	3,870	4.9	52.0	4,900	0.277	200	3,500
95	0.51	14.5	2.1	4.9	52.0	4,910	5.3	58.0	6,260	0.210	200	3,500
120	0.51	16.2	2.7	5.3	59.0	6,280	5.7	66.0	8,010	0.164	200	3,500
150	0.51	18.2	2.7	5.6	64.0	7,560	6.0	71.0	9,650	0.132	200	3,500
185	0.51	20.2	3.3	6.1	72.0	9,450	6.5	79.0	12,030	0.108	200	3,500
240	0.51	23.3	3.3	6.5	79.0	11,900	7.0	88.0	15,220	0.0817	200	3,500
300	0.51	26.0	3.3	6.9	85.0	14,310	7.4	95.0	18,320	0.0654	200	3,500

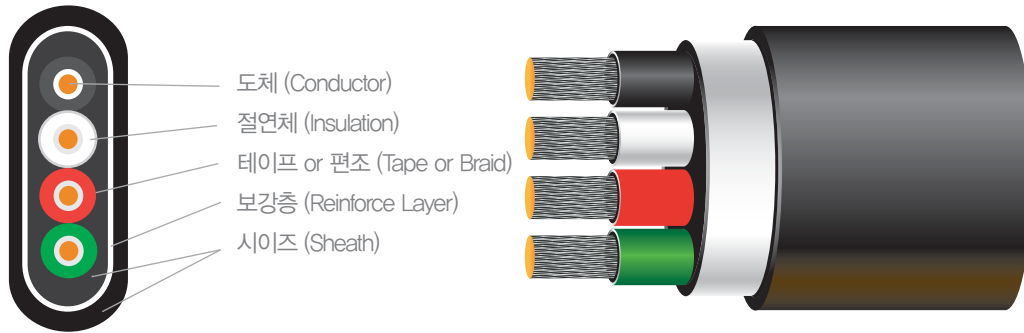
# 0.6/1KV HTC-FP2



Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연두께	3심 3 Cores			4심 4 Cores			Conductor-resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭 단면적	Maximim Di- meter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
10	0.41	4.8	1.1	2.1	130x28.0	670	2.1	125x35.0	870	1.950	300	3,500
16	0.41	6.0	1.2	2.3	150x33.0	930	2.5	150x45.0	1,300	1.240	300	3,500
25	0.41	7.4	1.2	2.5	175x37.0	1,290	2.7	170x51.0	1,790	0.795	300	3,500
35	0.41	8.7	1.2	2.7	180x41.0	1,650	2.9	185x56.5	2,290	0.565	200	3,500
50	0.41	10.4	1.5	3.0	210x49.0	2,290	3.2	215x66.5	3,160	0.393	200	3,500
70	0.51	12.5	2.0	3.4	250x58.0	3,250	3.7	255x79.0	4,470	0.277	200	3,500
95	0.51	14.5	2.0	3.7	275x65.0	4,170	4.0	280x88.0	5,720	0.210	200	3,500
120	0.51	16.2	2.0	4.0	300x71.0	5,090	4.3	305x95.5	6,980	0.164	200	3,500
150	0.51	18.2	2.0	4.2	320x77.0	6,150	4.6	330x103.5	8,450	0.132	200	3,500
185	0.51	20.2	2.5	4.6	36.0x87.0	7,710	5.1	37.0x118.0	10,690	0.108	200	3,500
240	0.51	23.3	2.5	5.1	400x97.0	9,900	5.6	41.0x131.0	13,650	0.0817	200	3,500
300	0.51	26.0	2.5	5.4	43.5x105.0	11,990	-	-	-	0.0654	200	3,500

# 0.6/1KV HTC-FP3



Manufactured Standard

Conductor 도체			Thickness Of Insula- tion 절연두께	3심 3 Cores			4심 4 Cores			Conductor- resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sec- tional Area 공칭 단면적	Maximim Di- meter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diame- ter(Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
10	0.41	4.8	1.2	2.9	15.0 x 30.5	780	3.0	15.0 x 41.0	1,070	1.950	400	3,500
16	0.41	6.0	1.6	3.2	17.5 x 37.5	1,140	3.4	18.0 x 51.0	1,580	1.240	400	3,500
25	0.41	7.4	1.6	3.4	19.5 x 42.0	1,520	3.6	20.0 x 57.0	2,100	0.795	400	3,500
35	0.41	8.7	1.6	3.6	21.0 x 46.0	1,920	3.8	21.5 x 62.0	2,630	0.565	400	3,500
50	0.41	10.4	2.1	4.0	24.5 x 55.0	2,670	4.2	25.0 x 73.0	3,660	0.393	400	3,500
70	0.51	12.5	2.1	4.2	27.0 x 61.0	3,460	4.5	27.5 x 82.0	4,740	0.277	400	3,500
95	0.51	14.5	2.1	4.5	29.5 x 68.0	4,400	4.9	30.5 x 91.0	6,030	0.210	400	3,500
120	0.51	16.2	2.7	5.0	33.5 x 78.0	5,660	5.3	34.0 x 103	7,710	0.164	400	3,500
150	0.51	18.2	2.7	5.2	36.0 x 84.0	6,770	5.6	36.5 x 113.5	9,350	0.132	400	3,500
185	0.51	20.2	3.3	5.7	40.0 x 94.0	8,480	6.1	41.0 x 127.0	11,660	0.108	400	3,500
240	0.51	23.3	3.3	6.1	44.0 x 104.0	10,690	6.6	45.0 x 135.0	14,380	0.0817	400	3,500
300	0.51	26.0	3.3	6.5	47.5 x 112.5	12,890	-	-	-	0.0654	400	3,500

# 0.6/1KV HTC-RC2/HTC-RC2(S)



Manufactured Standard

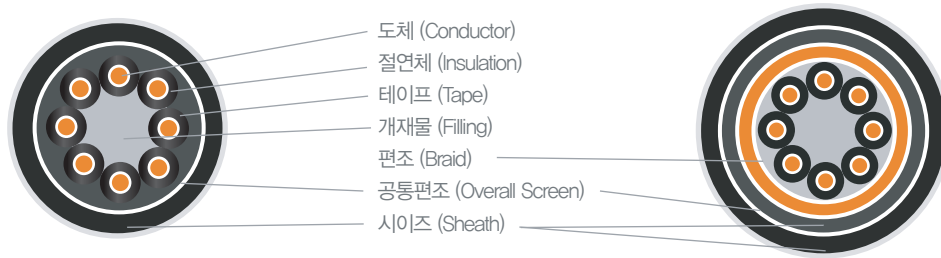
No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-RC 2 NON-SHIELD			0.6/KV HTC-RC 2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량			
3	1.5	Cu31/0.25 St3/0.26	1.7	1.0	1.9	14.0	230	0.16	2.0	16.0	320	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	2.0	15.0	290	0.16	2.1	17.0	390	8.21	400	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	2.1	17.0	380	0.16	2.2	19.0	500	5.09	400	3,500
4	1.5	-	1.7	1.0	2.0	15.0	280	0.16	2.1	17.0	390	13.70	500	3,500
	2.5	-	2.1	1.0	2.0	16.0	350	0.16	2.1	18.0	460	8.21	400	3,500
	4.0	-	2.7	1.1	2.2	18.5	480	0.16	2.3	20.5	610	5.09	400	3,500
5	1.5	-	1.7	1.0	2.0	15.5	320	0.16	2.2	18.5	460	13.70	500	3,500
	2.5	-	2.1	1.0	2.1	17.0	410	0.16	2.2	19.5	540	8.21	400	3,500
	4.0	-	2.7	1.1	2.2	19.0	560	0.16	2.4	22.0	730	5.09	400	3,500
6	1.5	-	1.7	1.0	2.1	17.0	390	0.16	2.2	20.0	520	13.70	500	3,500
	2.5	-	2.1	1.0	2.2	18.5	500	0.16	2.3	21.0	640	8.21	400	3,500
	4.0	-	2.7	1.1	2.3	21.0	680	0.18	2.5	24.0	860	5.09	400	3,500
7	1.5	-	1.7	1.0	2.2	18.5	480	0.16	2.3	21.5	610	13.70	500	3,500
	2.5	-	2.1	1.0	2.3	20.5	600	0.16	2.4	23.0	750	8.21	400	3,500
	4.0	-	2.7	1.1	2.4	23.0	820	0.18	2.6	26.0	1,000	5.09	400	3,500
8	1.5	-	1.7	1.0	2.2	20.0	550	0.16	2.4	23.0	700	13.70	500	3,500
	2.5	-	2.1	1.0	2.3	22.5	700	0.18	2.5	24.5	860	8.21	400	3,500
	4.0	-	2.7	1.1	2.5	25.0	970	0.18	2.7	28.0	1,160	5.09	400	3,500
9	1.5	-	1.7	1.0	2.3	21.0	650	0.18	2.5	24.0	800	13.70	500	3,500
	2.5	-	2.1	1.0	2.4	23.0	820	0.18	2.6	26.0	990	8.21	400	3,500
	4.0	-	2.7	1.1	2.6	27.0	1,140	0.18	2.8	30.0	1,320	5.09	400	3,500
10	1.5	-	1.7	1.0	2.4	23.0	760	0.18	2.6	26.0	910	13.70	500	3,500
	2.5	-	2.1	1.0	2.5	25.0	940	0.18	2.7	28.0	1,120	8.21	400	3,500
	4.0	-	2.7	1.1	2.7	29.0	1,310	0.18	2.9	32.0	1,500	5.09	400	3,500



# 0.6/1KV HTC-RC2/HTC-RC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연체 두께	0.6/KV HTC-RC 2 NON-SHIELD			0.6/KV HTC-RC 2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No/mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
12	1.5	Cu31/0.25 St3/0.26	1.7	1.0	2.6	26.0	860	0.18	2.8	29.0	1,140	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	2.7	28.0	1,100	0.18	2.9	31.0	1,390	8.21	400	3,500
16	1.5	-	1.7	1.0	2.6	25.5	890	0.18	2.7	28.0	1,120	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	28.0	1,140	0.18	2.8	30.0	1,390	8.21	400	3,500
19	1.5	-	1.7	1.0	2.7	28.0	1,050	0.18	2.8	30.0	1,310	13.70	500	3,500
	2.5	-	2.1	1.0	2.8	30.0	1,350	0.18	3.0	33.0	1,660	8.21	400	3,500
24	1.5	-	1.7	1.0	2.9	31.5	1,350	0.18	3.1	34.0	1,690	13.70	500	3,500
	2.5	-	2.1	1.0	3.1	34.5	1,750	0.18	3.2	37.0	2,100	8.21	400	3,500
27	1.5	-	1.7	1.0	3.0	33.5	1,520	0.18	3.2	36.5	1,900	13.70	500	3,500
	2.5	-	2.1	1.0	3.2	36.5	1,960	0.18	3.4	39.5	2,400	8.21	400	3,500
30	1.5	-	1.7	1.0	3.1	35.5	1,700	0.18	3.3	38.0	2,100	13.70	500	3,500
	2.5	-	2.1	1.0	3.3	38.5	2,190	0.18	3.5	48.0	2,650	8.21	400	3,500



# 0.6/1KV HTC-RC3/HTC-RC3(S)

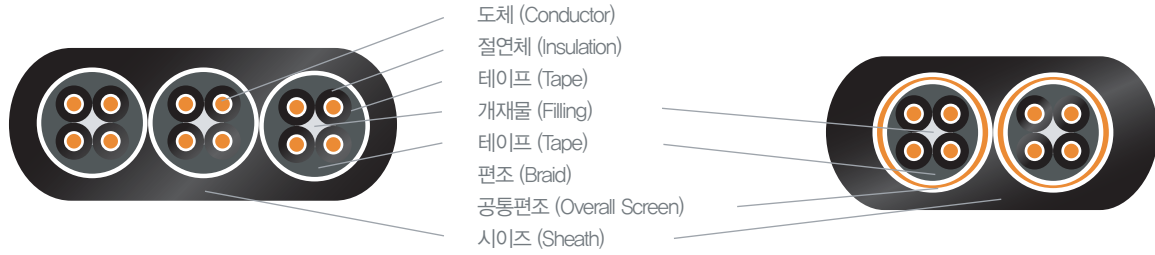
Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연체 두께	0.6/KV HTC-RC 3 NON-SHIELD			0.6/KV HTC-RC 3(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No/mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3	1.5	Cu31/0.25 St3/0.26	1.7	1.2	2.9	17.0	360	0.16	3.0	19.0	520	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.2	2.9	18.0	420	0.16	3.0	20.0	600	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.2	3.0	19.5	520	0.16	3.1	21.0	720	5.09	500	3,500

# 0.6/1KV HTC-RC3/HTC-RC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-RC 3 NON-SHIELD			0.6/KV HTC-RC 3(S) SHIELD				Conduc-torresis-tance (20°C) 도체 저항	Insu-lation Resis-tance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
4	1.5	Cu31/0.25 St3/0.26	1.7	1.2	2.9	18.5	430	0	3.0	20.5	600	13.7	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.2	3.0	19.5	510	0	3.1	21.5	700	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.2	3.1	21.5	640	0	3.2	23.0	840	5.09	500	3,500
5	1.5	-	1.7	1.2	3.0	19.5	500	0	3.1	22.0	690	13.7	500	3,500
	2.5	-	2.1	1.2	3.1	20.5	600	0	3.2	23.0	800	8.21	500	3,500
	4.0	-	2.7	1.2	3.2	22.5	750	0	3.3	25.0	1,000	5.09	500	3,500
6	1.5	-	1.7	1.2	3.1	21.0	600	0	3.2	23.5	800	13.7	500	3,500
	2.5	-	2.1	1.2	3.1	22.0	700	0	3.3	25.0	950	8.21	500	3,500
	4.0	-	2.7	1.2	3.3	24.5	900	0	3.4	27.0	1,170	5.09	500	3,500
7	1.5	-	1.7	1.2	3.2	22.5	690	0	3.3	25.0	940	13.70	500	3,500
	2.5	-	2.1	1.2	3.2	23.5	820	0.18	3.4	26.5	1,120	8.21	500	3,500
	4.0	-	2.7	1.2	3.4	26.0	1,040	0.18	3.5	29.0	1,370	5.09	500	3,500
8	1.5	-	1.7	1.2	3.2	24.0	800	0.18	3.4	27.0	1,090	13.70	500	3,500
	2.5	-	2.1	1.2	3.3	25.5	960	0.18	3.5	28.5	1,290	8.21	500	3,500
	4.0	-	2.7	1.2	3.5	28.0	1,220	0.18	3.7	31.0	1,600	5.09	500	3,500
9	1.5	-	1.7	1.2	3.3	25.5	920	0.18	3.5	28.5	1,250	13.70	500	3,500
	2.5	-	2.1	1.2	3.4	27.0	1,100	0.18	3.6	30.0	1,470	8.21	500	3,500
	4.0	-	2.7	1.2	3.6	30.0	1,410	0.18	3.8	33.0	1,820	5.09	500	3,500
10	1.5	-	1.7	1.2	3.4	27.0	1,050	0.18	3.6	30.0	1,410	13.70	500	3,500
	2.5	-	2.1	1.2	3.5	29.0	1,270	0.18	3.7	32.0	1,660	8.21	500	3,500
	4.0	-	2.7	1.2	3.7	32.0	1,620	0.18	3.9	35.0	2,060	5.09	500	3,500
12	1.5	-	1.7	1.2	3.6	31.0	1,200	0.18	3.8	33.0	1,780	13.70	500	3,500
	2.5	-	2.1	1.2	3.8	33.0	1,450	0.18	3.9	35.0	2,100	8.21	500	3,500
16	1.5	-	1.7	1.2	3.6	30.0	1,200	0.18	3.7	32.0	1,600	13.70	500	3,500
	2.5	-	2.1	1.2	3.7	32.0	1,450	0.18	3.9	34.5	1,950	8.21	500	3,500
19	1.5	-	1.7	1.2	3.7	32.0	1,380	0.18	3.9	35.0	1,900	13.70	500	3,500
	2.5	-	2.1	1.2	3.9	34.5	1,710	0.18	4.0	37.0	2,270	8.21	500	3,500
24	1.5	-	1.7	1.2	4.0	36.5	1,760	0.18	4.1	39.0	2,440	13.70	500	3,500
	2.5	-	2.1	1.2	4.1	39.0	2,160	0.18	4.3	42.0	2,950	8.21	500	3,500
27	1.5	-	1.7	1.2	4.1	38.5	1,970	0.18	4.3	41.0	2,770	13.70	500	3,500
	2.5	-	2.1	1.2	4.3	41.5	2,450	0.18	4.4	44.0	3,310	8.21	500	3,500
30	1.5	-	1.7	1.2	4.2	40.5	2,180	0.18	4.4	44.0	3,080	13.70	500	3,500
	2.5	-	2.1	1.2	4.4	43.5	2,700	0.18	4.6	47.0	3,710	8.21	500	3,500



## 0.6/1KV HTC-FC2/HTC-FC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-FC 2 NON-SHIELD			0.6/KV HTC-FC 2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 개산 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 개산 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No/mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3 x 1	1.5	Cu31/0.25 St3/0.26	1.7	1.0	1.6	80x16.5	210	0.12	1.7	90x19.5	270	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	1.8	85x18.0	250	0.12	1.8	100x21.0	310	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	1.9	100x21.0	360	0.12	1.9	110x23.5	410	5.09	500	3,500
4 x 1	1.5	-	1.7	1.0	1.7	85x24.0	300	0.12	1.8	95x27.5	380	13.70	500	3,500
	2.5	-	2.1	1.0	1.7	90x26.0	360	0.12	1.9	100x29.5	460	8.21	500	3,500
	4.0	-	2.7	1.1	1.9	100x29.5	500	0.12	2.0	110x33.0	590	5.09	500	3,500
5 x 1	1.5	-	1.7	1.0	1.7	85x31.0	400	0.12	1.9	95x36.0	510	13.70	500	3,500
	2.5	-	2.1	1.0	1.8	90x34.0	490	0.12	2.0	100x38.0	610	8.21	500	3,500
	4.0	-	2.7	1.1	2.0	105x38.0	660	0.12	2.1	110x42.5	780	5.09	500	3,500
2 x 3	1.5	-	1.7	1.0	2.5	170x28.0	620	0.16	2.6	180x30.0	700	13.70	500	3,500
	2.5	-	2.1	1.0	2.6	180x30.0	750	0.16	2.7	190x32.0	840	8.21	500	3,500
	4.0	-	2.7	1.1	2.8	205x34.0	990	0.16	3.0	215x36.0	1,100	5.09	500	3,500
2 x 4	1.5	-	1.7	1.0	2.6	180x31.0	740	0.16	2.8	195x33.0	830	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	195x33.0	890	0.16	2.9	205x35.0	1,000	8.21	500	3,500
	4.0	-	2.7	1.1	3.0	225x37.0	1,200	0.16	3.1	230x39.0	1,310	5.09	500	3,500
3 x 3	1.5	-	1.7	1.0	2.6	170x39.0	900	0.16	2.7	180x42.5	1,050	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	180x42.0	1,100	0.16	2.9	195x45.5	1,260	8.21	500	3,500
	4.0	-	2.7	1.1	2.9	205x47.0	1,460	0.16	3.1	215x51.0	1,640	5.09	500	3,500
2 x 5	1.5	-	1.7	1.0	2.7	190x32.5	850	0.16	2.9	210x35.0	970	13.70	500	3,500
	2.5	-	2.1	1.0	2.9	210x36.0	1,050	0.16	3.1	225x38.0	1,180	8.21	500	3,500
	4.0	-	2.7	1.1	3.2	235x40.0	1,420	0.18	3.3	250x42.5	1,550	5.09	500	3,500
3 x 4	1.5	-	1.7	1.0	2.7	180x42.0	1,060	0.16	2.9	200x46.0	1,230	13.70	500	3,500
	2.5	-	2.1	1.0	2.9	195x45.5	1,310	0.16	3.0	210x49.0	1,480	8.21	500	3,500

# 0.6/1KV HTC-FC2/HTC-FC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-FC 2 NON-SHIELD			0.6/KV HTC-FC 2(S) SHIELD				Conduc-tor-resistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
4 x 4	1.5	Cu31/0.25 St3/0.26	1.7	1.0	2.9	18.5x57.5	1,520	0.16	3.1	20.0x63.0	1,770	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	3.1	20.0x61.5	1,850	0.16	3.3	21.5x67.0	2,110	8.21	500	3,500
3 x 8	1.5	-	1.7	1.0	3.4	24.5x58.0	2,000	0.18	3.6	26.0x62.0	2,220	13.70	500	3,500
	2.5	-	2.1	1.0	3.6	26.0x62.5	2,470	0.18	3.8	28.0x67.0	2,750	8.21	500	3,500
3 x 9	1.5	-	1.7	1.0	3.6	26.0x62.0	2,290	0.18	3.8	28.0x66.0	2,540	13.70	500	3,500
	2.5	-	2.1	1.0	3.8	28.0x67.0	2,820	0.18	4.0	30.0x72.0	3,110	8.21	500	3,500
3 x 10	1.5	-	1.7	1.0	3.7	27.5x66.0	2,550	0.18	3.9	29.0x70.0	2,830	13.70	500	3,500
	2.5	-	2.1	1.0	4.0	30.0x71.5	3,190	0.18	4.2	31.5x75.5	3,480	8.21	500	3,500



# 0.6/1KV HTC-FC3/HTC-FC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-FC 3 NON-SHIELD			0.6/KV HTC-FC 3(S) SHIELD				Conduc-tor-resistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3 x 1	1.5	Cu31/0.25 St3/0.26	1.7	1.2	2.4	10.5x19.5	310	0.12	2.6	12.0x23.5	430	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.2	2.5	11.0x21.0	370	0.12	2.7	12.5x25.0	490	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.2	2.6	12.0x23.0	470	0.12	2.8	13.5x27.0	590	5.09	500	3,500
4 x 1	1.5	-	1.7	1.2	2.5	10.5x27.0	450	0.12	2.7	12.0x32.5	600	13.70	500	3,500
	2.5	-	2.1	1.2	2.6	11.0x29.0	530	0.12	2.8	13.0x34.0	700	8.21	500	3,500
	4.0	-	2.7	1.2	2.7	12.0x32.0	650	0.12	2.9	13.5x37.0	840	5.09	500	3,500
5 x 1	1.5	-	1.7	1.2	2.6	11.0x35.0	590	0.12	2.8	12.5x41.5	800	13.70	500	3,500
	2.5	-	2.1	1.2	2.7	11.5x37.0	700	0.12	2.9	13.0x43.5	920	8.21	500	3,500
	4.0	-	2.7	1.2	2.8	12.0x40.5	850	0.12	3.0	14.0x47.0	1,090	5.09	500	3,500

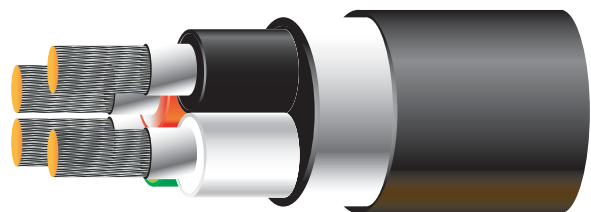


# 0.6/1KV HTC-FC3/HTC-FC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV HTC-FC 3 NON-SHIELD			0.6/KV HTC-FC 3(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Ap-prox.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
2 x 3	1.5	Cu31/0.25 St3/0.26	1.7	1.2	3.4	19.5x31.5	850	0.16	3.6	21.5x35.0	1,040	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.2	3.5	21.0x33.5	990	0.16	3.7	22.5x37.0	1,190	8.21	500	3,500
	4.0	Cu51/0.25 St3/0.26	2.7	1.2	3.7	22.5x36.5	1,210	0.16	3.9	24.5x40.0	1,450	5.09	500	3,500
2 x 4	1.5	-	1.7	1.2	3.5	21.0x34.0	1,000	0.16	3.7	23.0x37.0	1,200	13.70	500	3,500
	2.5	-	2.1	1.2	3.7	22.5x36.5	1,180	0.16	3.8	24.0x39.5	1,390	8.21	500	3,500
	4.0	-	2.7	1.2	3.8	24.0x39.5	1,440	0.16	4.0	26.0x42.5	1,680	5.09	500	3,500
3 x 3	1.5	-	1.7	1.2	3.5	20.0x43.5	1,230	0.16	3.7	22.0x48.0	1,500	13.70	500	3,500
	2.5	-	2.1	1.2	3.6	21.0x46.5	1,450	0.16	3.8	23.0x51.0	1,750	8.21	500	3,500
	4.0	-	2.7	1.2	3.8	23.0x51.0	1,780	0.16	4.0	24.5x55.5	2,100	5.09	500	3,500
2 x 5	1.5	-	1.7	1.2	3.7	23.0x37.0	1,170	0.16	3.9	24.5x40.0	1,400	13.70	500	3,500
	2.5	-	2.1	1.2	3.8	24.0x39.0	1,370	0.16	4.0	26.0x42.5	1,600	8.21	500	3,500
	4.0	-	2.7	1.2	4.1	26.5x43.0	1,740	0.18	4.3	28.5x46.5	2,000	5.09	500	3,500
3 x 4	1.5	-	1.7	1.2	3.7	21.5x47.5	1,450	0.16	3.9	23.5x52.0	1,750	13.70	500	3,500
	2.5	-	2.1	1.2	3.8	23.0x50.5	1,720	0.18	4.0	24.5x55.0	2,050	8.21	500	3,500
4 x 4	1.5	-	1.7	1.2	3.9	22.0x63.5	2,040	0.16	4.1	23.5x69.5	2,450	13.70	500	3,500
	2.5	-	2.1	1.2	4.0	23.0x68.0	2,390	0.18	4.3	25.0x74.0	2,850	8.21	500	3,500
3 x 8	1.5	-	1.7	1.2	4.4	28.0x64.5	2,630	0.18	4.6	30.0x69.5	3,050	13.70	500	3,500
	2.5	-	2.1	1.2	4.6	30.0x69.5	3,170	0.18	4.8	32.0x74.0	3,620	8.21	500	3,500
3 x 9	1.5	-	1.7	1.2	4.6	30.0x69.0	3,000	0.18	4.8	32.0x74.0	3,450	13.70	500	3,500
	2.5	-	2.1	1.2	4.8	32.0x74.0	3,590	0.18	5.0	34.0x79.0	4,060	8.21	500	3,500
3 x 10	1.5	-	1.7	1.2	4.8	31.5x73.5	3,350	0.18	5.0	33.5x78.0	3,850	13.70	500	3,500
	2.5	-	2.1	1.2	5.0	34.0x79.0	4,050	0.18	5.2	36.0x84.0	4,550	8.21	500	3,500

# 0.6/1KV FTC-RP2



## 0.6/1KV FTC-RP2

Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame-ter(Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diame-ter(Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
6	0.31	3.6	1.1	2.3	19.5	570	2.4	21.5	700	3.390	400	3,500
10	0.41	4.8	1.1	2.5	22.5	820	2.6	24.5	1,010	1.950	300	3,500
16	0.41	6.0	1.2	2.6	25.5	1,110	2.8	28.5	1,400	1.240	300	3,500
25	0.41	7.4	1.2	2.8	29.0	1,520	3.0	32.0	1,920	0.795	300	3,500
35	0.41	8.7	1.2	3.0	32.0	1,950	3.2	35.5	2,460	0.565	200	3,500
50	0.41	10.4	1.5	3.3	37.5	2,700	3.6	41.5	3,430	0.393	200	3,500
70	0.51	12.5	2.0	3.8	45.0	3,850	4.1	49.5	4,880	0.277	200	3,500
95	0.51	14.5	2.0	4.1	49.5	4,900	4.4	55.0	6,230	0.210	200	3,500
120	0.51	16.2	2.0	4.3	54.0	5,920	4.6	59.5	7,520	0.164	200	3,500
150	0.51	18.2	2.0	4.6	58.5	7,180	5.0	65.0	9,170	0.132	200	3,500
185	0.51	20.2	2.5	5.0	65.5	8,980	5.4	73.0	11,480	0.108	200	3,500
240	0.51	23.3	2.5	5.4	73.0	11,400	5.9	81.0	14,610	0.0817	200	3,500
300	0.51	26.0	2.5	5.8	79.0	13,800	-	-	-	0.0654	200	3,500

## 0.6/1KV FTC-RC3/FTC-RC3(S)

Manufactured Standard

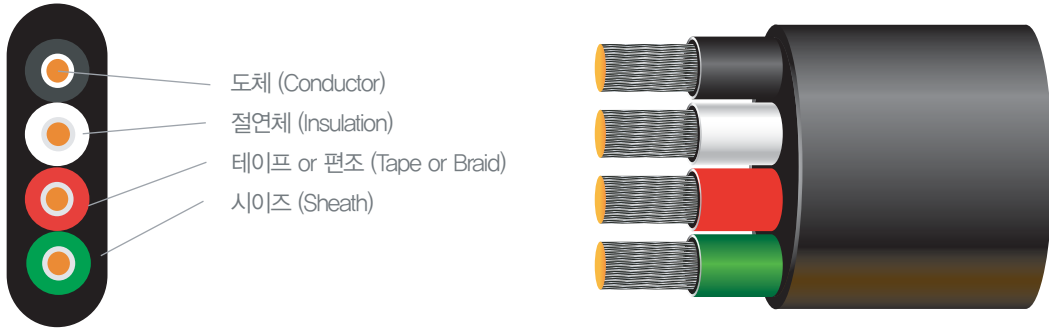
No. Of Cores 선심수	Conductor 도체			Thickness Of Insulation 절연 두께	0.6/1KV FTC-RC3 NON-SHIELD			0.6/1KV FTC-RC3(S) SHIELD				Conduc-tor-resistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Maximim Dime-ter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame-ter(Approx.) 완성외경	Weight (Approx.) 개산중량	Diameter Of Sheath 편조 소선경	Thickness Of Sheath 시스두께	Overall Diame-ter(Approx.) 완성외경	Weight (Approx.) 개산중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3	1.5	0.26	1.7	1.0	2.0	14.0	280	0.12	2.0	14.0	290	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.0	15.0	330	0.16	2.1	15.5	360	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.1	17.0	440	0.16	2.2	17.5	470	5.09	400	3,500
4	1.5	0.26	1.7	1.0	2.0	15.0	320	0.16	2.1	15.5	350	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.1	16.5	400	0.16	2.2	16.5	430	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.2	18.5	530	0.16	2.3	19.0	570	5.09	400	3,500
5	1.5	0.26	1.7	1.0	2.1	16.0	370	0.16	2.1	16.0	390	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.1	17.0	450	0.16	2.2	17.5	480	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.3	19.5	620	0.16	2.3	20.0	650	5.09	400	3,500
6	1.5	0.26	1.7	1.0	2.2	17.5	440	0.16	2.3	18.5	500	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.2	18.5	530	0.16	2.3	19.5	600	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.4	21.5	740	0.16	2.5	22.5	810	5.09	400	3,500
7	1.5	0.26	1.7	1.0	2.2	18.5	500	0.16	2.3	19.5	570	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.3	20.0	630	0.16	2.4	21.0	700	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.5	23.0	860	0.18	2.6	24.5	950	5.09	400	3,500

# 0.6/1KV FTC-RC3/FTC-RC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/1KV FTC-RC3 NON-SHIELD			0.6/1KV FTC-RC3(S) SHIELD				Conduc-torresis-tance (20°C) 도체 저항	Insu-lation Resis-tance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diame-ter(Ap-prox.) 완성외경	Weight (Approx.) 개산중량	Diameter Of Sheath 편조 소선경	Thickness Of Sheath 시스두께	Overall Diame-ter(Ap-prox.) 완성외경	Weight (Approx.) 개산중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
8	1.5	0.26	1.7	1.0	2.3	20.0	580	0.16	2.4	20.5	620	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.4	21.5	720	0.16	2.5	22.0	760	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.6	25.0	1,000	0.18	2.7	25.5	1,050	5.09	400	3,500
9	1.5	0.26	1.7	1.0	2.4	21.5	660	0.16	2.5	22.5	740	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.5	23.0	830	0.18	2.6	24.5	920	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.7	26.5	1,140	0.18	2.8	28.0	1,250	5.09	400	3,500
10	1.5	0.26	1.7	1.0	2.5	23.0	750	0.18	2.6	24.0	850	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.6	24.5	930	0.18	2.7	26.0	1,030	8.21	400	3,500
	4.0	0.31	2.7	1.1	2.8	28.5	1,290	0.18	2.9	30.0	1,410	5.09	400	3,500
12	1.5	0.26	1.7	1.0	2.6	25.5	930	0.18	2.7	26.0	980	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.8	28.0	1,170	0.18	2.8	28.0	1,220	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.0	32.0	1,620	0.18	3.1	32.5	1,690	5.09	400	3,500
16	1.5	0.26	1.7	1.0	2.6	25.0	940	0.18	2.7	26.5	1,050	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.7	27.0	1,190	0.18	2.8	28.5	1,310	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.0	31.5	1,680	0.18	3.1	32.5	1,810	5.09	400	3,500
19	1.5	0.26	1.7	1.0	2.7	27.0	1,100	0.18	2.9	28.5	1,250	13.7	500	3,500
	2.5	0.26	2.1	1.0	2.9	29.5	1,420	0.18	3.0	31.0	1,560	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.1	34.0	1,970	0.18	3.3	35.5	2,160	5.09	400	3,500
24	1.5	0.26	1.7	1.0	2.9	30.5	1,420	0.18	3.0	31.0	1,480	13.7	500	3,500
	2.5	0.26	2.1	1.0	3.1	33.5	1,820	0.18	3.2	34.0	1,890	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.4	38.5	2,550	0.18	3.5	39.0	2,630	5.09	400	3,500
27	1.5	0.26	1.7	1.0	3.1	32.5	1,620	0.18	3.2	34.5	1,790	13.7	500	3,500
	2.5	0.26	2.1	1.0	3.2	35.5	2,050	0.18	3.4	37.5	2,260	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.6	41.5	2,910	0.18	3.7	43.0	3,120	5.09	400	3,500
30	1.5	0.26	1.7	1.0	3.2	34.5	1,810	0.18	3.3	36.5	2,010	13.7	500	3,500
	2.5	0.26	2.1	1.0	3.3	37.5	2,300	0.18	3.5	39.5	2,520	8.21	400	3,500
	4.0	0.31	2.7	1.1	3.7	43.5	3,240	0.18	3.9	46.0	3,510	5.09	400	3,500

# 0.6/1KV FTC-FP2



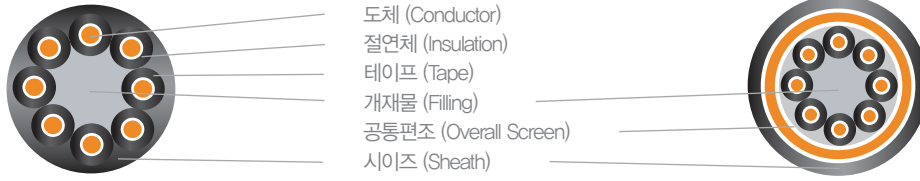
도체 (Conductor)  
 절연체 (Insulation)  
 테이프 or 편조 (Tape or Braid)  
 시이즈 (Sheath)

Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
6	0.31	3.6	1.1	1.9	10.5 x 23.0	460	2.0	1.05 x 33.0	660	3.390	400	3,500
10	0.41	4.8	1.1	2.1	12.0 x 27.0	680	2.2	12.0 x 38.0	950	1.950	300	3,500
16	0.41	6.0	1.2	2.3	14.0 x 32.0	940	2.4	14.0 x 44.0	1,310	1.240	300	3,500
25	0.41	7.4	1.2	2.5	15.5 x 36.5	1,300	2.7	16.0 x 50.0	1,820	0.795	300	3,500
35	0.41	8.7	1.2	2.7	17.0 x 40.5	1,680	2.9	17.5 x 55.5	2,340	0.565	200	3,500
50	0.41	10.4	1.5	3.0	20.0 x 48.0	2,340	3.2	20.5 x 65.0	3,230	0.393	200	3,500
70	0.51	12.5	2.0	3.4	24.0 x 57.5	3,340	3.7	24.5 x 78.0	4,600	0.277	200	3,500
95	0.51	14.5	2.0	3.7	26.5 x 64.0	4,280	4.0	27.0 x 86.5	5,890	0.210	200	3,500
120	0.51	16.2	2.0	3.9	28.5 x 69.5	5,200	4.3	29.5 x 94.0	7,160	0.164	200	3,500
150	0.51	18.2	2.0	4.2	31.0 x 76.0	6,340	4.6	32.0 x 104	8,790	0.132	200	3,500
185	0.51	20.2	2.5	4.6	35.0 x 85.5	7,940	5.1	36.0 x 117	11,000	0.108	200	3,500
240	0.51	23.3	2.5	5.1	38.5 x 95.5	10,160	5.6	39.5 x 129.5	14,010	0.0817	200	3,500
300	0.51	26.0	2.5	5.4	42.0 x 103.5	12,320	-	-	-	0.0654	200	3,500



# 0.6/1KV FTC-RC2/FTC-RC2(S)



Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV FTC-RC 2 NON-SHIELD			0.6/KV FTC-RC 2(S) SHIELD				Conduc-tor-resistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량			
3	1.5	Cu31/0.25 St3/0.26	1.7	1.0	2.0	14.0	280	0.12	2.0	14.0	290	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	2.0	15.0	330	0.16	2.1	15.5	360	8.21	400	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	2.1	17.0	440	0.16	2.2	17.5	470	5.09	400	3,500
4	1.5	-	1.7	1.0	2.0	15.0	320	0.16	2.1	15.5	350	13.70	500	3,500
	2.5	-	2.1	1.0	2.1	16.5	400	0.16	2.2	16.5	430	8.21	400	3,500
	4.0	-	2.7	1.1	2.2	18.5	530	0.16	2.3	19.0	570	5.09	400	3,500
5	1.5	-	1.7	1.0	2.1	16.0	370	0.16	2.1	16.0	390	13.70	500	3,500
	2.5	-	2.1	1.0	2.1	17.0	450	0.16	2.2	17.5	480	8.21	400	3,500
	4.0	-	2.7	1.1	2.3	19.5	620	0.16	2.3	20.0	650	5.09	400	3,500
6	1.5	-	1.7	1.0	2.2	17.5	440	0.16	2.3	18.5	500	13.70	500	3,500
	2.5	-	2.1	1.0	2.2	18.5	530	0.16	2.3	19.5	600	8.21	400	3,500
	4.0	-	2.7	1.1	2.4	21.5	740	0.16	2.5	22.5	810	5.09	400	3,500
7	1.5	-	1.7	1.0	2.2	18.5	550	0.16	2.3	19.5	570	13.70	500	3,500
	2.5	-	2.1	1.0	2.3	20.0	630	0.16	2.4	21.0	700	8.21	400	3,500
	4.0	-	2.7	1.1	2.5	23.0	860	0.18	2.6	24.5	950	5.09	400	3,500
8	1.5	-	1.7	1.0	2.3	20.0	580	0.16	2.4	20.5	620	13.70	500	3,500
	2.5	-	2.1	1.0	2.4	21.5	720	0.16	2.5	22.0	760	8.21	400	3,500
	4.0	-	2.7	1.1	2.6	25.0	1,000	0.18	2.7	25.5	1,050	5.09	400	3,500
9	1.5	-	1.7	1.0	2.4	21.5	660	0.16	2.5	22.5	740	13.70	500	3,500
	2.5	-	2.1	1.0	2.5	23.0	830	0.18	2.6	24.5	920	8.21	400	3,500
	4.0	-	2.7	1.1	2.7	27.0	1,140	0.18	2.8	28.0	1,250	5.09	400	3,500
10	1.5	-	1.7	1.0	2.5	23.0	750	0.18	2.6	24.0	850	13.70	500	3,500
	2.5	-	2.1	1.0	2.6	24.5	930	0.18	2.7	26.0	1,030	8.21	400	3,500
	4.0	-	2.7	1.1	2.8	29.0	1,290	0.18	2.9	30.0	1,410	5.09	400	3,500
12	1.5	-	1.7	1.0	2.6	25.5	930	0.18	2.7	26.0	980	13.70	500	3,500
	2.5	-	2.1	1.0	2.8	28.0	1,170	0.18	2.8	28.0	1,220	8.21	400	3,500
	4.0	-	2.7	1.1	3.0	32.0	1,620	0.18	3.1	32.5	1,690	5.09	400	3,500
16	1.5	-	1.7	1.0	2.6	25.0	940	0.18	2.7	26.5	1,050	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	27.0	1,190	0.18	2.8	28.5	1,310	8.21	400	3,500
	4.0	-	2.7	1.1	3.0	32.0	1,680	0.18	3.1	32.5	1,810	5.09	400	3,500

# 0.6/1KV FTC-RC2/FTC-RC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV FTC-RC 2 NON-SHIELD			0.6/KV FTC-RC 2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No/mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
19	1.5	Cu31/0.25 St3/0.26	1.7	1.0	2.7	27.0	1,100	0.18	2.9	28.5	1,250	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	2.9	30.0	1,420	0.18	3.0	31.0	1,560	8.21	400	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	3.1	34.0	1,970	0.18	3.3	35.5	2,160	5.09	400	3,500
24	1.5	-	1.7	1.0	2.9	31.0	1,420	0.18	3.0	31.0	1,480	13.70	500	3,500
	2.5	-	2.1	1.0	3.1	34.0	1,820	0.18	3.2	34.0	1,890	8.21	400	3,500
	4.0	-	2.7	1.1	3.4	39.0	2,550	0.18	3.5	39.0	2,630	5.09	400	3,500
27	1.5	-	1.7	1.0	3.1	32.5	1,620	0.18	3.2	34.5	1,790	13.70	500	3,500
	2.5	-	2.1	1.0	3.2	35.5	2,050	0.18	3.4	37.5	2,260	8.21	400	3,500
	4.0	-	2.7	1.1	3.6	41.5	2,910	0.18	3.7	43.0	3,120	5.09	400	3,500
30	1.5	-	1.7	1.0	3.2	34.5	1,810	0.18	3.3	36.5	2,010	13.70	500	3,500
	2.5	-	2.1	1.0	3.3	37.5	2,300	0.18	3.5	39.5	2,520	8.21	400	3,500
	4.0	-	2.7	1.1	3.7	43.5	3,240	0.18	3.9	46.0	3,510	5.09	400	3,500



# 0.6/1KV FTC-FC2/FTC-FC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV FTC-FC 2 NON-SHIELD			0.6/KV FTC-FC 2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diame-ter(Approx.) 완성 외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No/mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3 x 1	1.5	Cu31/0.25 St3/0.26	1.7	1.0	1.6	8.0 x 16.5	210	0.12	1.7	9.0 x 19.5	270	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	1.8	8.5 x 18.0	250	0.12	1.8	10.0 x 21.0	310	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	1.9	10.0 x 21.0	360	0.12	1.9	11.0 x 23.5	410	5.09	500	3,500
4 x 1	1.5	-	1.7	1.0	1.7	8.5 x 24.0	300	0.12	1.8	9.5 x 27.5	380	13.70	500	3,500
	2.5	-	2.1	1.0	1.7	9.0 x 26.0	360	0.12	1.9	10.0 x 29.5	460	8.21	500	3,500
	4.0	-	2.7	1.1	1.9	10.0 x 29.5	500	0.12	2.0	11.0 x 33.0	590	5.09	500	3,500
5 x 1	1.5	-	1.7	1.0	1.7	8.5 x 31.0	400	0.12	1.9	9.5 x 36.0	510	13.70	500	3,500
	2.5	-	2.1	1.0	1.8	9.0 x 34.0	490	0.12	2.0	10.0 x 38.0	610	8.21	500	3,500
	4.0	-	2.7	1.1	2.0	10.5 x 38.0	660	0.12	2.1	11.0 x 42.5	780	5.09	500	3,500

# 0.6/1KV FTC-FC2/FTC-FC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/KV FTC-FC 2 NON-SHIELD			0.6/KV FTC-FC 2(S) SHIELD				Conduc-torresis-tance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	No./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
2 x 3	1.5	Cu31/0.25 St3/0.26	1.7	1.0	2.5	17.0 x 28.0	620	0.16	2.6	18.0 x 30.0	700	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	2.6	18.0 x 30.0	750	0.16	2.7	19.0 x 32.0	840	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	2.8	20.5 x 34.0	990	0.16	3.0	21.5 x 36.0	1,100	5.09	500	3,500
2 x 4	1.5	-	1.7	1.0	2.6	18.0 x 31.0	740	0.16	2.8	19.5 x 33.0	830	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	19.5 x 33.0	890	0.16	2.9	20.5 x 35.0	1,000	8.21	500	3,500
	4.0	-	2.7	1.1	3.0	22.5 x 37.0	1,200	0.16	3.1	23.0 x 39.0	1,310	5.09	500	3,500
3 x 3	1.5	-	1.7	1.0	2.6	17.0 x 39.0	900	0.16	2.7	18.0 x 42.5	1,050	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	18.0 x 42.0	1,100	0.16	2.9	19.5 x 45.5	1,260	8.21	500	3,500
	4.0	-	2.7	1.1	2.9	20.5 x 47.0	1,460	0.16	3.1	21.5 x 51.0	1,640	5.09	500	3,500
2 x 5	1.5	-	1.7	1.0	2.7	19.0 x 32.5	850	0.16	2.9	21.0 x 35.0	970	13.70	500	3,500
	2.5	-	2.1	1.0	2.9	21.0 x 36.0	1,050	0.16	3.1	22.5 x 38.0	1,180	8.21	500	3,500
	4.0	-	2.7	1.1	3.2	23.5 x 40.0	1,420	0.18	3.3	25.0 x 42.5	1,550	5.09	500	3,500
3 x 4	1.5	-	1.7	1.0	2.7	18.0 x 42.0	1,060	0.16	2.9	20.0 x 46.0	1,230	13.70	500	3,500
	2.5	-	2.1	1.0	2.9	19.5 x 45.5	1,310	0.16	3.0	21.0 x 49.0	1,480	8.21	500	3,500
4 x 4	1.5	-	1.7	1.0	2.9	18.5 x 57.5	1,520	0.16	3.1	20.0 x 63.0	1,770	13.70	500	3,500
	2.5	-	2.1	1.0	3.1	20.0 x 61.5	1,850	0.16	3.3	21.5 x 67.0	2,110	8.21	500	3,500
3 x 8	1.5	-	1.7	1.0	3.4	24.5 x 58.0	2,000	0.18	3.6	26.0 x 62.0	2,220	13.70	500	3,500
	2.5	-	2.1	1.0	3.6	26.0 x 62.5	2,470	0.18	3.8	28.0 x 67.0	2,750	8.21	500	3,500
3 x 9	1.5	-	1.7	1.0	3.6	26.0 x 62.0	2,290	0.18	3.8	28.0 x 66.0	2,540	13.70	500	3,500
	2.5	-	2.1	1.0	3.8	28.0 x 67.0	2,820	0.18	4.0	30.0 x 72.0	3,110	8.21	500	3,500
3 x 10	1.5	-	1.7	1.0	3.7	27.5 x 66.0	2,550	0.18	3.9	29.0 x 70.0	2,830	13.70	500	3,500
	2.5	-	2.1	1.0	4.0	30.0 x 71.5	3,190	0.18	4.2	31.5 x 75.5	3,480	8.21	500	3,500

# 0.6/1KV FTC-FC3/FTC-FC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/1KV FTC-FC3 NON-SHIELD			0.6/1KV FTC-FC3(S) SHIELD				Conduc-torresis-tance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Maximim Di-meter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3 x 1	1.5	0.26	1.7	1.2	2.4	10.5x19.5	310	0.12	2.6	12.0x23.5	430	13.7	500	3,500
	2.5	0.26	2.1	1.2	2.5	11.0x21.0	370	0.12	2.7	12.5x25.0	490	8.21	500	3,500
	4.0	0.31	2.7	1.2	2.6	12.0x23.0	470	0.12	2.8	13.5x27.0	590	5.09	500	3,500
4 x 1	1.5	0.26	1.7	1.2	2.5	10.5x27.0	450	0.12	2.7	12.0x32.5	600	13.7	500	3,500
	2.5	0.26	2.1	1.2	2.6	11.0x29.0	530	0.12	2.8	13.0x34.0	700	8.21	500	3,500
	4.0	0.31	2.7	1.2	2.7	12.0x32.0	650	0.12	2.9	13.5x37.0	840	5.09	500	3,500

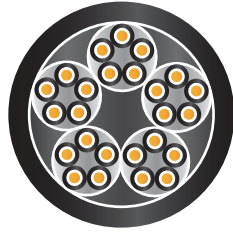
# 0.6/1KV FTC-FC3/FTC-FC3(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/1KV FTC-FC3 NON-SHIELD			0.6/1KV FTC-FC3(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Sectional Area 공칭 단면적	Maximim Di-meter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성외경	Weight (Approx.) 개산 중량	Diameter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
5 x 1	1.5	0.26	1.7	1.2	2.6	11.0x35.0	590	0.12	2.8	12.5x41.5	800	13.7	500	3,500
	2.5	0.26	2.1	1.2	2.7	11.5x37.0	700	0.12	2.9	13.0x43.5	920	8.21	500	3,500
	4.0	0.31	2.7	1.2	2.8	12.0x40.5	850	0.12	3.0	14.0x47.0	1,090	5.09	500	3,500
2 x 3	1.5	0.26	1.7	1.2	3.4	19.5x31.5	850	0.16	3.6	21.5x35.0	1,040	13.7	500	3,500
	2.5	0.26	2.1	1.2	3.5	21.0x33.5	990	0.16	3.7	22.5x37.0	1,190	8.21	500	3,500
	4.0	0.31	2.7	1.2	3.7	22.5x36.5	1,210	0.16	3.9	24.5x40.0	1,450	5.09	500	3,500
2 x 4	1.5	0.26	1.7	1.2	3.5	21.0x34.0	1,000	0.16	3.7	23.0x37.0	1,200	13.7	500	3,500
	2.5	0.26	2.1	1.2	3.7	22.5x36.5	1,180	0.16	3.8	24.0x39.5	1,390	8.21	500	3,500
	4.0	0.31	2.7	1.2	3.8	24.0x39.5	1,440	0.16	4.0	26.0x42.5	1,680	5.09	500	3,500
3 x 3	1.5	0.26	1.7	1.2	3.5	20.0x43.5	1,230	0.16	3.7	22.0x48.0	1,500	13.7	500	3,500
	2.5	0.26	2.1	1.2	3.6	21.0x46.5	1,450	0.16	3.8	23.0x51.0	1,750	8.21	500	3,500
	4.0	0.31	2.7	1.2	3.8	23.0x51.0	1,780	0.16	4.0	24.5x55.5	2,100	5.09	500	3,500
2 x 5	1.5	0.26	1.7	1.2	3.7	23.0x37.0	1,170	0.16	3.9	24.5x40.0	1,400	13.7	500	3,500
	2.5	0.26	2.1	1.2	3.8	24.0x39.0	1,370	0.16	4.0	26.0x42.5	1,600	8.21	500	3,500
	4.0	0.31	2.7	1.2	4.1	26.5x43.0	1,740	0.18	4.3	28.5x46.5	2,000	5.09	500	3,500
3 x 4	1.5	0.26	1.7	1.2	3.7	21.5x47.5	1,450	0.16	3.9	23.5x52.0	1,750	13.7	500	3,500
	2.5	0.26	2.1	1.2	3.8	23.0x50.5	1,720	0.18	4.0	24.5x55.0	2,050	8.21	500	3,500
4 x 4	1.5	0.26	1.7	1.2	3.9	22.0x63.5	2,040	0.16	4.1	23.5x69.5	2,450	13.7	500	3,500
	2.5	0.26	2.1	1.2	4.0	23.0x68.0	2,390	0.18	4.3	25.0x74.0	2,850	8.21	500	3,500
3 x 8	1.5	0.26	1.7	1.2	4.4	28.0x64.5	2,630	0.18	4.6	30.0x69.5	3,050	13.7	500	3,500
	2.5	0.26	2.1	1.2	4.6	30.0x69.5	3,170	0.18	4.8	32.0x74.0	3,620	8.21	500	3,500
3 x 9	1.5	0.26	1.7	1.2	4.6	30.0x69.0	3,000	0.18	4.8	32.0x74.0	3,450	13.7	500	3,500
	2.5	0.26	2.1	1.2	4.8	32.0x74.0	3,590	0.18	5.0	34.0x79.0	4,060	8.21	500	3,500
3 x 10	1.5	0.26	1.7	1.2	4.8	31.5x73.5	3,350	0.18	5.0	33.5x78.0	3,850	13.7	500	3,500
	2.5	0.26	2.1	1.2	5.0	34.0x79.0	4,050	0.18	5.2	36.0x84.0	4,550	8.21	500	3,500



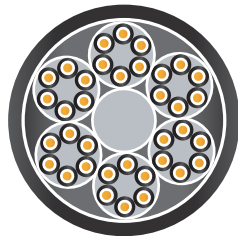
# 0.6/1KV STC-RC2



도체 (Conductor)  
 절연체 (Insulation)  
 테이프 (Tape)  
 개재물 (Filling)  
 공통편조 (Overall Screen)  
 시이즈 (Sheath)

Manufactured Standard

Nuner Of Cores 선심수	Conductor 도체			Thickness Of Insulation 절연두께	Thickness Of Sheath 시스두께	Sheath Overall Dia. 시스외경	Conductor Resistance (20°C) (Max.) 도체저항	Insulation Resistance (20°C) (Min.) 절연저항	Test Voltage 시험전압	Weight 케이블중량
	Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름							
	mm <sup>2</sup>	Max./mm	mm							
6 x 4	2.5	0.26	2.1	1.0	3.7	43.5	8.21	400	3,500	2,710
6 x 5	2.5	0.26	2.1	1.0	4.0	48.0	8.21	400	3,500	3,340
6 x 6	2.5	0.26	2.1	1.0	4.3	53.0	8.21	400	3,500	4,070
6 x 7	2.5	0.26	2.1	1.0	4.6	58.5	8.21	400	3,500	4,900
6 x 4	4.0	0.31	2.6	1.1	4.1	49.5	5.09	400	3,500	3,680
6 x 5	4.0	0.31	2.6	1.1	4.4	55.5	5.09	400	3,500	4,570
6 x 6	4.0	0.31	2.6	1.1	4.7	61.0	5.09	400	3,500	5,540
6 x 7	4.0	0.31	2.6	1.1	5.1	67.0	5.09	400	3,500	6,670



도체 (Conductor)  
 절연체 (Insulation)  
 테이프 (Tape)  
 개재물 (Filling)  
 공통편조 (Overall Screen)  
 시이즈 (Sheath)

# 0.6/1KV STC-RC2/STC-RC2(S)

Manufactured Standard

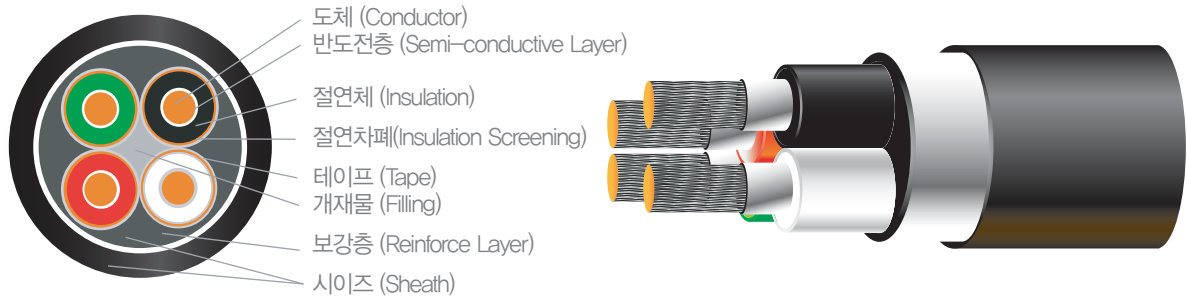
No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/1KV STC-RC2 NON-SHIELD			0.6/1KV STC-RC2(S) SHIELD				Conduc-tor-resistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Approx.) 완성외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
3 x 1	1.5	Cu31/0.25 St3/0.26	1.7	1.0	1.6	7.5 x 16.0	200	0.12	1.7	8.5 x 19.0	260	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	1.6	8.0 x 17.0	240	0.12	1.8	9.5 x 20.5	310	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	1.8	9.0 x 20.0	340	0.12	1.9	10.5 x 23.0	410	5.09	500	3,500
4 x 1	1.5	-	1.7	1.0	1.7	7.5 x 23.0	290	0.12	1.8	9.0 x 27.5	380	13.70	500	3,500
	2.5	-	2.1	1.0	1.7	8.0 x 24.5	350	0.12	1.9	9.5 x 29.0	450	8.21	500	3,500
	4.0	-	2.7	1.1	1.9	9.5 x 28.5	490	0.12	2.0	10.5 x 32.5	590	5.09	500	3,500

# 0.6/1KV STC-RC2/STC-RC2(S)

Manufactured Standard

No. Of Cores 선심수	Conductor 도체			Thick-ness Of Insulation 절연 두께	0.6/1KV STC-RC2 NON-SHIELD			0.6/1KV STC-RC2(S) SHIELD				Conduc-torresistance (20°C) 도체 저항	Insu-lation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
	Nominal Cross Area 공칭 단면적	Composition 구성	Outer Diameter (Approx.) 바깥지름		Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량	Diam-eter Of Sheath 편조 소선경	Thick-ness Of Sheath 시스 두께	Overall Diameter(Ap-prox.) 완성외경	Weight (Approx.) 개산 중량			
	mm <sup>2</sup>	Max./mm	mm		mm	mm	kg/km	mm	mm	mm	kg/km			
5 x 1	1.5	Cu31/0.25 St3/0.26	1.7	1.0	1.7	7.5 x 30.0	380	0.12	1.9	9.0 x 35.5	500	13.70	500	3,500
	2.5	Cu51/0.25 St3/0.26	2.1	1.0	1.8	8.5 x 32.5	470	0.12	2.0	9.5 x 38.0	600	8.21	500	3,500
	4.0	Cu75/0.26 St3/0.26	2.7	1.1	2.0	9.5 x 37.0	640	0.12	2.1	10.5 x 42.0	770	5.09	500	3,500
2 x 3	1.5	-	1.7	1.0	2.3	14.0 x 23.5	500	0.12	2.3	14.5 x 24.5	530	13.70	500	3,500
	2.5	-	2.1	1.0	2.4	15.5 x 25.5	620	0.12	2.4	16.0 x 26.5	650	8.21	500	3,500
	4.0	-	2.7	1.1	2.6	17.5 x 29.5	840	0.16	2.7	18.5 x 31.0	910	5.09	500	3,500
2 x 4	1.5	-	1.7	1.0	2.4	15.5 x 26.0	610	0.12	2.5	16.0 x 27.0	650	13.70	500	3,500
	2.5	-	2.1	1.0	2.5	16.5 x 28.0	750	0.16	2.6	17.5 x 29.5	810	8.21	500	3,500
	4.0	-	2.7	1.1	2.8	19.0 x 32.5	1,040	0.16	2.9	20.0 x 34.0	1,120	5.09	500	3,500
3 x 3	1.5	-	1.7	1.0	2.4	14.5 x 33.0	740	0.12	2.4	15.0 x 34.5	780	13.70	500	3,500
	2.5	-	2.1	1.0	2.5	15.5 x 36.0	910	0.12	2.6	16.0 x 38.0	980	8.21	500	3,500
	4.0	-	2.7	1.1	2.7	17.5 x 41.5	1,240	0.16	2.8	18.5 x 44.0	1,120	5.09	500	3,500
2 x 5	1.5	-	1.7	1.0	2.5	17.0 x 28.5	730	0.16	2.6	17.5 x 30.0	790	13.70	500	3,500
	2.5	-	2.1	1.0	2.7	18.5 x 31.0	920	0.16	2.8	19.0 x 32.5	990	8.21	500	3,500
	4.0	-	2.7	1.1	3.0	21.0 x 36.0	1,260	0.16	3.1	22.0 x 37.5	1,120	5.09	500	3,500
3 x 4	1.5	-	1.7	1.0	2.5	15.5 x 36.5	900	0.12	2.6	16.5 x 38.5	970	13.70	500	3,500
	2.5	-	2.1	1.0	2.6	17.0 x 39.5	1,110	0.16	2.7	17.5 x 42.0	1,120	8.21	500	3,500
	4.0	-	2.7	1.1	2.9	19.5 x 46.0	1,550	0.16	3.0	20.5 x 48.5	1,660	5.09	500	3,500
4 x 4	1.5	-	1.7	1.0	2.7	16.0 x 50.5	1,280	0.12	2.8	17.0 x 53.0	1,370	13.70	500	3,500
	2.5	-	2.1	1.0	2.8	17.0 x 54.5	1,570	0.16	2.9	18.0 x 57.5	1,700	8.21	500	3,500
	4.0	-	2.7	1.1	3.2	20.0 x 63.0	2,190	0.16	3.3	21.0 x 66.0	2,340	5.09	500	3,500
3 x 8	1.5	-	1.7	1.0	3.2	22.0 x 52.0	1,790	0.16	3.3	22.5 x 54.5	1,920	13.70	500	3,500
	2.5	-	2.1	1.0	3.4	23.5 x 57.0	2,250	0.16	3.5	24.5 x 59.0	2,380	8.21	500	3,500
	4.0	-	2.7	1.1	3.8	27.5 x 66.5	3,140	0.18	3.9	28.5 x 69.0	3,310	5.09	500	3,500
3 x 9	1.5	-	1.7	1.0	3.4	23.5 x 56.0	2,070	0.16	3.5	24.5 x 58.5	2,200	13.70	500	3,500
	2.5	-	2.1	1.0	3.6	25.5 x 61.5	2,600	0.18	3.7	26.5 x 64.0	2,760	8.21	500	3,500
	4.0	-	2.7	1.1	4.0	29.5 x 71.5	3,610	0.18	4.1	30.5 x 74.0	3,800	5.09	500	3,500
3 x 10	1.5	-	1.7	1.0	3.5	25.0 x 60.0	2,340	0.18	3.6	26.0 x 62.5	2,500	13.70	500	3,500
	2.5	-	2.1	1.0	3.8	27.0 x 65.5	2,960	0.18	3.9	28.0 x 68.5	3,130	8.21	500	3,500
	4.0	-	2.7	1.1	4.3	31.5 x 77.0	4,140	0.18	4.4	32.5 x 79.5	4,350	5.09	500	3,500

### 3.6/6KV HVC-RP3



Manufactured Standard

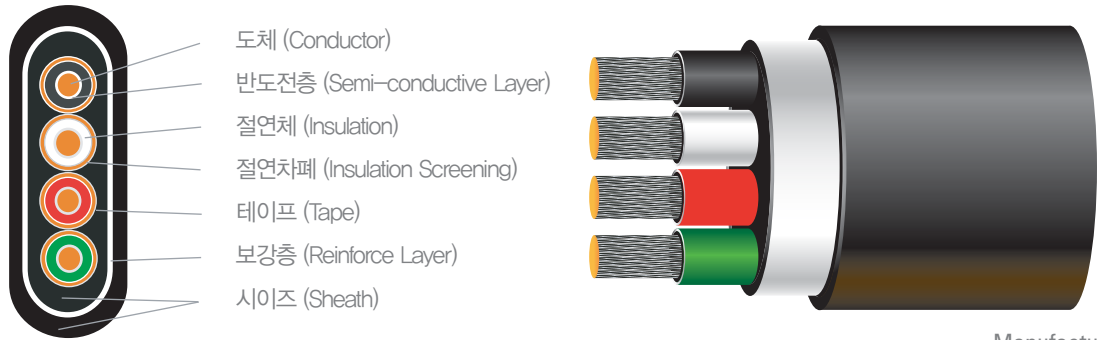
Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-Resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
16	0.41	6.0	3.0	4.7	40.0	2,180	4.9	44.0	2,690	1.240	500	9,000
25	0.41	7.4	3.0	4.9	43.5	2,710	5.1	47.5	3,340	0.795	400	9,000
35	0.41	8.7	3.0	5.1	46.0	3,210	5.3	51.0	3,990	0.565	400	9,000
50	0.41	10.4	3.5	5.5	53.0	4,310	5.8	58.5	5,380	0.393	400	9,000
70	0.51	12.5	3.5	5.7	57.5	5,320	6.1	64.0	6,680	0.277	300	9,000
95	0.51	14.5	3.5	6.0	62.5	6,500	6.4	69.5	8,210	0.210	300	9,000
120	0.51	16.2	3.5	6.3	66.5	7,640	6.7	74.0	9,660	0.164	300	9,000
150	0.51	18.2	3.5	6.5	71.0	8,990	7.0	79.0	11,440	0.132	300	9,000
185	0.51	20.2	4.0	6.8	76.0	10,530	-	-	-	0.108	300	9,000

### 6/10KV HVC-RP3

Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-Resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximim Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
16	0.41	6.0	5.0	5.3	49.5	3,230	5.6	55.0	4,000	1.240	500	17,000
25	0.41	7.4	5.0	5.5	53.5	3,860	5.8	59.0	4,800	0.795	500	17,000
35	0.41	8.7	5.0	5.6	56.0	4,420	6.0	62.0	5,530	0.565	500	17,000
50	0.41	10.4	5.0	5.9	60.5	5,290	6.3	67.0	6,640	0.393	500	17,000
70	0.51	12.5	5.0	6.2	65.0	6,390	6.6	72.0	8,040	0.277	400	17,000
95	0.51	14.5	5.0	6.4	69.5	7,640	6.9	77.5	9,660	0.210	400	17,000
120	0.51	16.2	5.0	6.7	74.0	8,860	7.2	82.0	11,220	0.164	400	17,000
150	0.51	18.2	5.0	7.0	78.5	10,330	7.5	-	-	0.132	400	17,000

### 3.6/6KV HVC-FP3



Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-Resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximum Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
16	0.41	6.0	3.0	4.3	23.0 x 50.5	1,920	4.5	23.5 x 68.0	2,660	1.2400	500	9,000
25	0.41	7.4	3.0	4.5	25.0 x 55.5	2,400	4.7	25.5 x 74.0	3,310	0.7950	400	9,000
35	0.41	8.7	3.0	4.7	26.5 x 59.5	2,880	4.9	27.0 x 79.0	3,940	0.5650	400	9,000
50	0.41	10.4	3.5	5.1	30.0 x 68.5	3,850	5.4	30.5 x 91.5	5,280	0.3930	400	9,000
70	0.51	12.5	3.5	5.3	32.5 x 74.5	4,760	5.7	33.0 x 99.3	6,570	0.2770	400	9,000
95	0.51	14.5	3.5	5.6	35.0 x 81.0	5,850	6.0	36.0 x 110.0	8,130	0.2770	300	9,000
120	0.51	16.2	3.5	5.9	37.5 x 87.0	6,910	6.3	38.0 x 117.5	9,570	0.1640	300	9,000
150	0.51	18.2	3.5	6.1	39.5 x 93.0	8,150	6.6	40.5 x 125.5	11,290	0.1320	300	9,000
185	0.51	20.2	4.0	6.6	43.5 x 130.0	9,990	7.1	44.5 x 138.5	13,800	0.1080	300	9,000
240	0.51	23.3	4.0	7.0	47.5 x 112.5	12,380	-	-	-	0.0817	300	9,000

### 6/10KV HVC-FP3

Manufactured Standard

Conductor 도체			Thickness Of Insulation 절연 두께	3심 3 Cores			4심 4 Cores			Conductor-Resistance (20°C) 도체 저항	Insulation Resistance (20°C) 절연 저항	Test Voltage 시험 전압
Nominal Cross Sectional Area 공칭단면적	Maximum Dimeter of Wires in Conductor 도체최대 소선경	Outer Diameter (Approx.) 바깥지름		Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량	Thickness Of Sheath 시스두께	Overall Diameter (Approx.) 완성외경	Weight (Approx.) 개산중량			
mm <sup>2</sup>	Max./mm	mm	mm	mm	mm	kg/km	mm	mm	kg/km	Ω/km	MΩ·km	V/5min
16	0.41	6.0	5.0	4.9	28.5 x 64.0	2,830	5.2	29.0 x 85.5	3,920	1.240	500	17,000
25	0.41	7.4	5.0	5.1	30.0 x 69.0	3,390	5.4	31.0 x 91.5	4,680	0.795	500	17,000
35	0.41	8.7	5.0	5.2	31.5 x 72.5	3,900	5.6	32.5 x 97.0	5,410	0.565	500	17,000
50	0.41	10.4	5.0	5.5	34.0 x 78.5	4,700	5.9	34.5 x 104.5	6,480	0.393	500	17,000
70	0.51	12.5	5.0	5.8	36.5 x 84.5	5,720	6.2	37.0 x 114.5	7,950	0.277	400	17,000
95	0.51	14.5	5.0	6.0	39.0 x 91.0	6,840	6.5	40.0 x 123.0	9,530	0.210	400	17,000
120	0.51	16.2	5.0	6.3	41.0 x 96.5	7,970	6.8	42.0 x 130.5	11,030	0.164	400	17,000
150	0.51	18.2	5.0	6.6	43.5 x 103.0	9,300	7.1	44.5 x 138.5	12,890	0.132	400	17,000
185	0.51	20.2	5.0	6.9	46.0 x 109.5	10,820	-	-	-	0.108	400	17,000
240	0.51	23.3	5.0	7.3	50.0 x 119.0	13,280	-	-	-	0.0817	400	17,000

# GAS WELDING CABLES

가스용접용 케이블





## GAS WELDING CABLES | 가스 용접선

CO<sub>2</sub> WELDING SINGLE CABLE | 이산화탄소 가스용접용 케이블

CO<sub>2</sub> WELDING COPPER SINGLE CABLE

CO<sub>2</sub> WELDING ALUMINUM SINGLE CABLE

CO<sub>2</sub> WELDING COPPER CLAD ALUMINUM SINGLE CABLE

CO<sub>2</sub> WELDING EXTENSION FEEDER EFLC(LONG) CABLE | 익스텐션 싱글케이블

CO<sub>2</sub> WELDING EXTENSION FEEDER & COPPER EFLC(LONG) CABLE

CO<sub>2</sub> WELDING EXTENSION FEEDER & ALUMINUM EFLC(LONG) CABLE

TORCH-H CABLE | 토치케이블

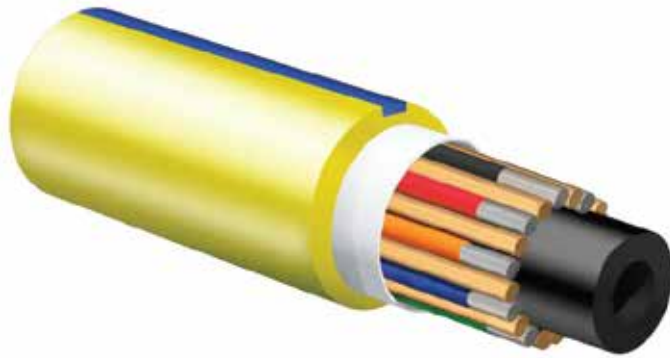
TORCH-H CABLE

TORCH-AL CABLE

TORCH-CCA CABLE



# CO<sub>2</sub> WELDING COPPER SINGLE CABLE



CO<sub>2</sub> 용접시 사용되는 용접기 본체와 Wire Feeder간 콘트롤선, 파워선, 가스라인을 한 개로 조합한 케이블로 소재개발을 통한 경량화 및 케이블의 이동성, 내구성을 향상시킴으로 생산성 및 안전성이 우수한 케이블 그 밖에 고객 요구에 맞춰 복합 선심 구조 및 가스호스 등의 제품을 공급하고 있다.

A cable with excellent productivity and safety by making materials light through material development and enhancing mobility and durability as a cable combined as one with control wires, power wires and gas lines between the welder body and wire feeder used for CO<sub>2</sub> welding. In addition, we supply products such as composite core structures, gas hoses, etc. according to the customer requirements.

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor 도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Rresistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1min
60mm <sup>2</sup> +9C	60	0.26	-	-	0.12	2.9	25.1±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 13.7±0.3								
60mm <sup>2</sup> +10C	60	0.26	-	-	0.12	2.9	25.1±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 13.7±0.3								
60mm <sup>2</sup> +11C	80	0.26	-	-	0.12	2.9	25.1±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 13.7±0.3								
68mm <sup>2</sup> +12C	60	0.26	-	-	0.12	2.9	26.0±0.5	0.27	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 13.7±0.3								
80mm <sup>2</sup> +10C	80	0.26	-	-	0.12	3.2	26.5±0.5	0.25	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 13.7±0.3								

## CO<sub>2</sub> WELDING ALUMINUM SINGLE CABLE

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor 도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1mm
80mm <sup>2</sup> +9C	80	0.35	-	-	0.12	2.9	26.3±0.5	0.36	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
80mm <sup>2</sup> +10C	80	0.35	-	-	0.12	2.9	26.3±0.5	0.36	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
80mm <sup>2</sup> +11C	80	0.35	-	-	0.12	2.9	26.0±0.5	0.36	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
85mm <sup>2</sup> +12C	85	0.35	-	-	0.12	2.9	27.0±0.5	0.33	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								

## CO<sub>2</sub> WELDING COPPER CLAD ALUMINUM SINGLE CABLE

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor 도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
—	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/mm
80mm <sup>2</sup> +9C	80	0.35	-	-	0.12	2.9	26.3±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
80mm <sup>2</sup> +10C	80	0.35	-	-	0.12	2.9	26.3±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
80mm <sup>2</sup> +11C	80	0.35	-	-	0.12	2.9	26.0±0.5	0.32	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								
85mm <sup>2</sup> +12C	85	0.35	-	-	0.12	2.9	27.0±0.5	0.27	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 8.0±0.3 외경 : 14.0±0.3								

# CO<sub>2</sub> WELDING EXTENSION FEEDER & COPPER EFLC(LONG) CABLE



CO<sub>2</sub> 용접용 Wire Feeder 장치로서, Pail Pack 적용을 위하여 일반형 Wire Feeder와 조립하여 반자동 및 자동용접을 수행하는 케이블. 소재 개발을 통한 경량화 및 가스호스의 내열성 강화로 라이너 및 용접봉의 원활한 공급이 가능한 케이블.

A cable for conducting semi-auto or auto welding by being assembled with a general wire feeder for pail pack application as a wire feeder device for CO<sub>2</sub> welding, and a cable to feed liners and welding rods smoothly by making materials light through material development and enhancing heat resistance of gas hoses

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Rresistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1mm
52mm <sup>2</sup> +10C	52	0.26	-	-	0.12	2.2	24.5±0.5	0.35	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 10.3±0.3 외경 : 13.7±0.3								
52mm <sup>2</sup> +11C	52	0.26	-	-	0.12	2.2	24.5±0.5	0.35	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 10.3±0.3 외경 : 13.7±0.3								
52mm <sup>2</sup> +10C	52	0.26	-	-	0.12	2.2	26.5±0.5	0.35	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 12.3±0.3 외경 : 15.7±0.3								
52mm <sup>2</sup> +11C	52	0.26	-	-	0.12	2.2	26.5±0.5	0.35	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경 : 12.3±0.3 외경 : 15.7±0.3								



## CO<sub>2</sub> WELDING EXTENSION FEEDER & ALUMINUM EFLC(LONG) CABLE

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1mm
70mm <sup>2</sup> +10C	70	0.35	-	-	0.12	2.2	24.5±0.5	0.38	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								
70mm <sup>2</sup> +11C	70	0.35	-	-	0.12	2.2	24.5±0.5	0.38	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								
70mm <sup>2</sup> +10C	70	0.35	-	-	0.12	2.2	26.5±0.5	0.38	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								
70mm <sup>2</sup> +11C	70	0.35	-	-	0.12	2.2	26.5±0.5	0.38	-	1,000
	1.25	0.18	1.5	0.5				16.0	100	
	0.75	0.18	1.1	0.5				26.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								

# TORCH-H CABLE



오토매틱 토치 및 로봇 토치 등 용접자동화 시스템에 적용되며, 내구성 및 유연성이 뛰어나 연속 용접성 및 송급이 탁월한 케이블

A cable that is used in a welding automation system such as an automatic torch, robot torch, etc. and has excellent durability and flexibility to be easily continuously welded and fed.

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor 도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1min
20mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	20	0.18	-	-	0.11	1.9	16.2±0.5	0.92	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 6.5±0.3 외경: 9.5±0.3								
25mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	25	0.18	-	-	0.11	1.7	16.3±0.5	0.75	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 6.5±0.3 외경: 9.5±0.3								
30mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	30	0.18	-	-	0.11	1.8	18.7±0.5	0.60	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								
38mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	38	0.18	-	-	0.11	1.7	18.2±0.5	0.48	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	GAS HOSE	내경: 8.0±0.3 외경: 11.5±0.3								
50mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	50	0.18	-	-	0.11	1.9	19.4±0.5	0.37	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경: 11.5±0.3								
60mm <sup>2</sup> +0.75mm <sup>2</sup> x 2C	60	0.18	-	-	0.11	1.9	20.9±0.5	0.32	-	1,000
	0.75	0.18	1.14	0.3				25.9	100	
	Gas Hose	내경: 9.0±0.3 외경: 12.4±0.3								

## TORCH-AL CABLE

Manufactured Standard

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Resistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
—	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1min
50mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	50	0.3	-	-	0.11	2.0	18.9±0.5	0.52	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								
60mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	60	0.3	-	-	0.11	2.0	20.8±0.5	0.40	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								
70mm <sup>2</sup> +0.75mm <sup>2</sup> x 2C	70	0.3	-	-	0.11	2.0	21.8±0.5	0.36	-	1,000
	0.5	0.18	0.93	0.3				25.9	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								

# TORCH-CCA CABLE

Manufactured Standard

Nominal Cross Sectional Area 공칭단면적		Maximim Diameter of Wires in Conductor 도체 최대 소선경	Approx. Outer Diameter 바깥지름	Insulation Thickness 절연두께	Tape Thickness 테이프 두께	Thickness Of Sheath 시스두께	Approx. Overall Dia. 완성품외경	Conductor Rresistance (20°C) 도체저항	Insulation Resistance (20°C) 절연저항	Test Voltage 시험전압
-	mm <sup>2</sup>	Max/mm	mm	mm	mm(약)	mm(약)	mm	Ω/km	MΩ·km	V/1min
50mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	50	0.3	-	-	0.11	2.0	18.9±0.5	0.48	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								
60mm <sup>2</sup> +0.5mm <sup>2</sup> x 2C	60	0.3	-	-	0.11	2.0	20.8±0.5	0.37	-	1,000
	0.5	0.18	0.93	0.3				38.6	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								
70mm <sup>2</sup> +0.75mm <sup>2</sup> x 2C	70	0.3	-	-	0.11	2.0	21.8±0.5	0.32	-	1,000
	0.5	0.18	0.93	0.3				25.9	100	
	Gas Hose	내경: 8.0±0.3 외경 :11.5±0.3								

# APPENDIX

부록



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## APPENDIX | 부록

CURRENT CARRING CAPACITY

COPPER WIRE GAUGES

PROPERTIES OF INSULATING & SHEATHING MATERIAL

GENERAL DIMENSION

허용전류 Allowable Current			
Nominal Sectional Area 공칭단면적 mm <sup>2</sup>	Single Core 단심	2 Cores 2심 3,4심	3,4 Cores
1.5	22	26	23
2.5	30	36	32
4	42	49	42
6	55	63	54
10	77	86	75
16	105	115	100
25	141	149	127
35	176	185	158
50	216	225	192
70	279	289	246
95	342	352	298
120	400	410	346
150	464	473	399
185	533	542	456
240	634	641	538
300	736	741	621
400	868	892	745

## 0.6/1KV EPR 절연 케이블 허용전류

적용규격(REFERENCE STANDARD) : KS C IEC 60364-5-523

도체 최고 허용온도(MAXIMUM CONDUCTOR TEMPERATURE) : 90°C

주위온도(AMBIENT TEMPERATURE) : 30°C

허용전류 Allowable Current				
Nominal Sectional Area 공칭단면적 mm <sup>2</sup>	Single Core 단심	2 Cores 2심 3심	3 Cores 4심	4 Cores
0.75	14	12	10	9
1.25	19	16	14	13
2.0	25	22	19	17
3.5	37	32	28	25
5.5	49	41	36	32
8	62	51	44	39
14	88	71	62	55
22	115	95	83	74
30	140	110	98	89
38	165	130	110	100
50	195	150	125	115
60	225	170	150	135
80	270	195	170	160
100	315	225	200	185
125	330	260	225	205
150	370	290	255	230
200	440	350	300	275
250	510	400	350	320
325	600	480	420	385

600V EPR 절연 케이블 허용전류

적용규격(REFERENCE STANDARD) : JIS C 168D

도체 최고 허용온도(MAXIMUM CONDUCTOR TEMPERATURE) : 80°C

주위온도(AMBIENT TEMPERATURE) : 30°C

기중 케이블의 허용전류에 적용하는 30° C 이외의 주위 온도에 대한 보정 계수

Ambient Temperature	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Rating Factor	1.15	1.12	1.08	1.04	1.00	0.96	0.91	0.87	0.82	0.76	0.71	0.65	0.58	0.5	0.41

복수 회로 또는 다심 케이블 복수의 집합에 대한 감소 계수

배 치 (케이블 밀착)	회로 또는 다심 케이블의 수											
	1	2	3	4	5	6	7	8	9	15	16	20
기중이나 벽면에 묶거나 매설 또는 수납	1.00	0.80	0.70	0.65	0.60	0.57	0.54	0.52	0.50	0.45	0.41	0.38
벽 또는 막힘형 트레이의 단일층	1.00	0.85	0.79	0.75	0.73	0.72	0.72	0.71	0.70	9개 이상의 회로나 다심 케이블인 경우 이 이상의 감소 계수는 없음		
목재 천장면 아래에 직접 고정된 단일층	0.95	0.81	0.72	0.68	0.66	0.64	0.63	0.62	0.61			
환기형 수평 또는 수직 트레이의 단일층	1.00	0.88	0.82	0.77	0.75	0.73	0.73	0.72	0.72			
사다리 지지대 또는 클리트의 단일층	1.00	0.87	0.82	0.80	0.80	0.79	0.79	0.78	0.78			

REEL 권취 허용전류 저감율

1) 평형 (Flat Type)

내층으로부터의 권입 층수	
1	0.74
2	0.73
3	0.72
4	0.71
5	0.71
6	0.72
7	0.72
8	0.72
9	0.80
10	0.92

2) 원형 (Round Type)

권층수	층 열 수		
	1	2	3
1	1.00	0.85	0.80
2	0.85	0.80	0.75
3	0.80	0.75	0.70
4	0.75	0.70	0.65
5	0.70	0.65	0.60
6	0.65	0.65	0.62

Bending Radius

Cable Type	Figure	
	Flat Type	Round Type
High Tension Cable, High Voltage Cable	HTC-FP 2 HTC-FP 3 HTC-FC 2 HTC-FC 3 HVC-FP 3 ] : Min.10 × Height ] : Min.15 × Height	HTC-RP 2 HTC-RP 3 HTC-RC 2 HTC-RC 3 HVC-RP 3 ] : Min.10 × Overall Diameter ] : Min.15 × Overall Diamete
Festoon Cable	FTC-FP 2 FTC-FC 2 ] : Min.7.5 × Height	FTC-RP 2 FTC-RC 2 ] : Min.7.5 × Overall Diameter

Copper Wire for Electrical Purpose - 전기용 동선  
 전기용 경동선 Hard-Drawn Copper Solid Wire for Electrical Purpose(H)  
 전기용 연동선 Annealed Copper Solid Wire for Electrical Purpose(A)

Outer Diameter 바깥지름	Tolerance 허용오차	Calculated Sectional Area 계산단면적	Weight 중량	Hard-Drawn Copper(H) 경동선(H)					Annealed Copper(A) 연동선(A)				
				Maximum Conductor Resistance AT 20°C 최대도체저항	Maximum Conductor AT 20°C 최소도체저항	Tensile Load 인장하중	Tensile Strength 인장강도	Elongation 신장율	Maximum Conductor Resistance AT 20°C 최대도체저항	Maximum Conductor AT 20°C 최소도체저항	Tensile Load 인장하중	Tensile Strength 인장강도	Elongation 신장율
mm	±mm	mm <sup>2</sup>	kg/km	Ω/km	%	kgf	kg/m <sup>2</sup>	%	Ω/km	%	kgf	kg/m <sup>2</sup>	%
12.0	0.06	113.1	1,000	0.1572	97.0	3,830	33.9	3.12	0.1524	100.0	2,630	25.0	35.0
10.0	0.06	78.54	698.2	0.2263	97.0	2,840	36.1	2.64	0.2195	100.0	1,960	25.0	35.0
9.00	0.06	63.62	565.6	0.2794	97.0	2,370	37.2	2.40	0.2710	100.0	1,590	25.0	35.0
8.00	0.06	50.27	446.9	0.3536	97.0	1,930	38.3	2.16	0.3430	100.0	1,260	25.0	35.0
7.00	0.06	38.48	342.1	0.4619	97.0	1,520	39.4	1.92	0.4481	100.0	1,000	25.0	35.0
6.50	0.06	33.18	295.0	0.5357	97.0	1,330	40.0	1.80	0.5196	100.0	863	26.0	30.0
6.00	0.06	28.27	251.3	0.6287	97.0	1,140	40.5	1.68	0.6099	100.0	735	26.0	30.0
5.50	0.04	23.76	211.2	0.7481	97.0	977.0	41.1	1.56	0.7256	100.0	618	26.0	30.0
5.00	0.04	19.64	174.6	0.9050	97.0	817.0	41.6	1.44	0.8779	100.0	511	26.0	30.0
4.50	0.04	15.90	141.4	1.1180	97.0	671.0	42.2	1.32	1.0840	100.0	413	26.0	30.0
4.30	0.04	14.52	129.1	1.2240	97.0	616.0	42.4	1.27	-	-	-	-	-
4.00	0.04	12.57	111.7	1.4140	97.0	537.0	42.7	1.20	0.3720	100.0	327	26.0	30.0
3.70	0.04	10.75	95.57	1.6530	97.0	462.0	43.0	1.13	-	-	-	-	-
3.50	0.04	9.6210	85.53	1.8470	97.0	417.0	43.3	1.08	1.7920	100.0	250	26.0	30.0
3.20	0.04	8.0420	71.49	2.2100	97.0	351.0	43.6	1.01	2.1440	100.0	209	26.0	30.0
2.90	0.03	6.6050	58.72	2.6910	97.0	290.0	43.9	0.94	2.6100	100.0	172	26.0	30.0
2.60	0.03	5.3090	47.20	3.3480	97.0	235.0	44.2	0.86	3.2480	100.0	143	27.0	30.0
2.30	0.03	4.1550	36.94	4.2780	97.0	185.0	44.6	0.79	4.1490	100.0	112	27.0	30.0
2.00	0.03	3.1420	27.93	5.6570	97.0	141.0	44.9	0.72	5.4870	100.0	88.8	27.0	30.0
1.80	0.03	2.5450	22.63	7.0570	96.0	115.0	45.1	0.67	6.7740	100.0	68.7	27.0	25.0
1.60	0.03	2.0110	17.88	8.9310	96.0	91.1	45.3	0.62	8.5730	100.0	54.3	27.0	25.0
1.40	0.03	1.5390	13.68	11.67	96.0	70.2	45.6	0.58	11.20	100.0	41.6	27.0	25.0
1.20	0.03	1.1310	10.05	15.88	96.0	51.8	45.8	0.53	15.24	100.0	31.7	28.0	25.0
1.00	0.03	0.7854	6.982	22.87	96.0	36.1	46.0	0.48	21.95	100.0	22	28.0	25.0
0.90	0.03	0.6362	5.656	28.23	96.0	29.3	46.1	0.46	27.10	99.3	17.8	28.0	25.0
0.80	0.02	0.5027	4.469	35.73	96.0	23.2	46.2	0.43	34.30	99.3	14.1	28.0	25.0
0.70	0.02	0.3848	3.421	46.67	96.0	17.8	46.3	0.41	44.81	99.3	10.8	28.0	20.0
0.65	0.02	0.3318	2.950	54.13	96.0	15.4	46.4	0.40	51.96	99.3	9.29	28.0	20.0
0.60	0.02	0.2827	2.513	63.53	96.0	13.1	46.4	0.38	60.99	99.3	7.92	28.0	20.0
0.55	0.02	0.2376	2.112	75.59	96.0	11.0	46.5	0.37	72.56	99.3	6.65	28.0	20.0



## Copper Wire for Electrical Purpose - 전기용 동선

전기용 경동선 Hard-Drawn Copper Solid Wire for Electrical Purpose(H)

전기용 연동선 Annealed Copper Solid Wire for Electrical Purpose(A)

Outer Diameter 바깥지름	Tolerance 허용오차	Calculated Sectional Area 계산단면적	Weight 중량	Hard-Drawn Copper(H) 경동선(H)					Annealed Copper(A) 연동선(A)				
				Maximum Conductor Resistance AT 20°C 최대도체저항	Maximum Conductor AT 20°C 최소도전율	Tensile Load 인장하중	Tensile Strength 인장강도	Elonga- tion 신장율	Maximum Conductor Resistance AT 20°C 최대도체저항	Maximum Conductor AT 20°C 최소도전율	Tensile Load 인장하중	Tensile Strength 인장강도	Elonga- tion 신장율
mm	±mm	mm <sup>2</sup>	kg/km	Ω/km	%	kgf	kg/m <sup>2</sup>	%	Ω/km	%	kgf	kg/m <sup>2</sup>	%
0.50	0.01	0.1966	1.746	91.44	96.0	9.15	46.6	0.36	87.79	99.3	5.5	28.0	20.0
0.45	0.01	0.1590	1.414	113.0	96.0	7.41	46.6	0.35	109.20	99.3	-	-	20.0
0.40	0.01	0.1257	1.117	142.9	96.0	5.87	46.7	0.34	138.10	99.3	-	-	20.0
0.35	0.01	0.09621	0.8553	-	-	-	-	-	180.50	99.3	-	-	20.0
0.32	0.01	0.08042	0.7149	-	-	-	-	-	215.90	99.3	-	-	20.0
0.29	0.01	0.06605	0.5872	-	-	-	-	-	266.40	98.0	-	-	20.0
0.26	0.01	0.05309	0.4720	-	-	-	-	-	331.40	99.3	-	-	15.0
0.23	0.008	0.04155	0.3694	-	-	-	-	-	423.40	98.0	-	-	15.0
0.20	0.008	0.03142	0.2793	-	-	-	-	-	559.90	98.0	-	-	15.0
0.18	0.008	0.02545	0.2263	-	-	-	-	-	691.30	98.0	-	-	15.0
0.16	0.008	0.02011	0.1788	-	-	-	-	-	874.90	98.0	-	-	15.0
0.14	0.008	0.01539	0.1368	-	-	-	-	-	1143.0	98.0	-	-	15.0
0.12	0.008	0.01131	0.1005	-	-	-	-	-	1556.0	98.0	-	-	15.0
0.10	0.008	0.007854	0.06982	-	-	-	-	-	2240.0	98.0	-	-	15.0

## 2등급 단심 및 다심 케이블용 연선

Class 2 Stranded conductors for single-core and multicore cables

Nominal Cross Sectional Area 공칭단면적	Minimum Number Of Wires In The Conductor 도체의 최소 소선수			Maximum Conductor Resistance AT 20°C 최대 도체 저항	
	Circular Conductor 원형도체(비압축)	Circular Compacted Conductor 원형압축도체	Shaped Conductor 선형 도체	Copper Conductor 동도체	
				Plain Wires 동선	Metal-Coated Wires 도금동선
mm <sup>2</sup>	Cu	Cu	Cu	Ω/km	Ω/km
0.5	7	-	-	36.0	36.7
0.75	7	-	-	24.5	24.7
1.0	7	-	-	18.1	18.2
1.5	7	6	-	12.1	12.2
2.5	7	6	-	7.41	7.56
4	7	6	-	4.61	4.70
6	7	6	-	3.08	3.11
10	7	6	-	1.83	1.84
16	7	6	-	1.15	1.16
25	7	6	6	0.727	0.734
35	7	6	6	0.524	0.529
50	19	6	6	0.387	0.391
70	19	12	12	0.268	0.270
95	19	15	15	0.193	0.195
120	37	18	18	0.153	0.154
150	37	18	18	0.124	0.126
185	37	30	30	0.0991	0.100
240	61	34	34	0.0754	0.0762
300	61	34	34	0.0601	0.0607
400	61	53	53	0.0470	0.0475

## 5등급 단심 및 다심 케이블용 연선

Class 5 Flexible Copper conductors for single-core and multicore cables

Standard : KS C IEC 60228

Nominal Cross Sectional Area 공칭단면적	Conductor 도체 KS Stranded KS규격, JIC Stranded JIC규격		Maximum Conductor Resistance AT 20°C 최대 도체 저항	
	Maximum Diameter Of Wires In Conductor 최대소선지름	Outer Diameter 바깥지름	Copper Conductor 동도체	
			Plain Wires 동선	Metal-Coated Wires 도금동선
mm <sup>2</sup>	Cu	Cu	Ω/km	Ω/km
0.5	0.21	0.9	39.0	40.1
0.75	0.21	1.1	26.0	26.7
1.0	0.21	1.3	19.5	20.0
1.5	0.26	1.6	13.3	13.7
2.5	0.26	2.1	7.98	8.21
4	0.31	2.6	4.95	5.09
6	0.31	3.6	3.30	3.39
10	0.41	4.8	1.91	1.95
16	0.41	6.0	1.21	1.24
25	0.41	7.4	0.78	0.795
35	0.41	8.7	0.554	0.565
50	0.41	10.4	0.386	0.393
70	0.51	12.5	0.272	0.277
95	0.51	14.5	0.206	0.210
120	0.51	16.2	0.161	0.164
150	0.51	18.2	0.129	0.132
185	0.51	20.2	0.106	0.108
240	0.51	23.3	0.0801	0.0817
300	0.51	26.0	0.0641	0.0654
400	0.51	30.3	0.0486	0.0495

Gauge System 게이지별 치수			Diameter 지름			Calculated-Sectional Area 계산단면적			Weight 계산무게	
mm	AWG	AWG	BWG	mm	mil	sq/mm	sq/in	cir/mil	kg/mm	1b/1,000ft
			11	3.048	120.0	7.296	0.1131	14400	64.86	43.588
		11		2.948	116.0	6.818	0.01057	13456	60.61	40.732
2.9				2.900	114.2	6.605	0.01024	13402	58.72	39.455
	9			2.896	114.0	6.585	0.01021	12996	58.54	39.338
			12	2.769	109.0	6.020	0.00933	11881	53.52	35.963
		12		2.642	104.0	5.480	0.0085	10816	48.72	32.739
2.6				2.600	102.0	5.309	0.00817	10404	47.20	31.713
	10			2.591	102.0	5.272	0.00817	10404	46.87	31.492
			13	2.413	95.0	4.572	0.00709	9025	40.65	27.318
		13		2.337	92.0	4.284	0.00665	8464	38.08	25.622
	11			2.311	91.0	4.196	0.0065	8281	37.30	25.076
2.3				2.300	90.6	4.155	0.00645	8208	36.94	24.820
			14	2.108	83.0	3.491	0.00541	6889	31.04	20.853
	12			2.057	81.0	3.325	0.00515	6561	29.55	19.860
		14		2.032	80.0	3.243	0.00503	6400	28.83	19.372
2.0				2.000	79.0	3.142	0.0049	6241	27.93	18.760
	13	15	15	1.828	72.0	2.627	0.00407	5184	23.35	15.692
1.8				1.800	71.0	2.545	0.00396	5041	22.63	15.208
			16	1.651	65.0	2.140	0.00332	4225	19.03	12.789
	14	16		1.626	64.0	2.075	0.00322	4096	18.45	12.398
1.6			17	1.600	63.0	2.011	0.00312	3969	17.88	12.015
	15			1.473	58.0	1.703	0.00264	3364	15.15	10.283
		17		1.448	57.0	1.646	0.00255	3249	14.64	9.835
1.4				1.422	56.0	1.589	0.00246	3136	14.13	9.493
	16			1.400	55.0	1.539	0.00238	3025	13.68	9.196
			18	1.295	51.0	1.318	0.00204	2601	11.72	7.873
		18		1.245	49.0	1.217	0.00189	2401	10.82	7.276
1.2				1.219	48.0	1.163	0.00182	2304	10.38	6.974
	17			1.200	47.0	1.131	0.00174	2209	10.05	6.753
			19	1.143	45.0	1.026	0.00159	2025	9.122	6.129
	18	19		1.067	42.0	0.8935	0.00139	1764	7.943	5.339
1.0	19			0.916	40.0	0.8107	0.00126	1600	7.207	4.843
		20		1.000	39.0	0.7854	0.0012	1521	6.982	4.691
0.9				0.9144	36.0	0.6467	0.00102	1296	5.838	3.923
			20	0.900	35.4	0.6362	0.00098	1253	5.656	3.801
	20	21	21	0.889	35	0.6207	0.00096	1225	5.518	3.708

Gauge System 게이지별 치수			Diameter 지름			Calculated-Sectional Area 계산단면적			Weight 계산무게	
mm	AWG	AWG	BWG	mm	mil	sq/mm	sq/in	cir/mil	kg/mm	1b/1,000ft
0.8				0.8128	32.0	0.5189	0.0008	1024	4.613	3.098
	21			0.800	31.5	0.5027	0.00078	992	4.469	3.003
		22	22	0.7239	28.5	0.4156	0.00064	812.3	3.695	2.459
0.7				0.7112	28.0	0.3973	0.00062	784	3.532	2.373
0.65				0.700	27.6	0.3848	0.0006	761.8	3.421	2.229
	22			0.650	26.0	0.3318	0.00054	676	2.950	1.982
			23	0.6428	25.3	0.3243	0.0005	640	2.833	1.937
		23		0.635	25.0	0.3167	0.00049	625	2.816	1.892
0.6				0.6096	24.0	0.2919	0.00045	576	2.595	1.744
	23			0.600	23.6	0.2817	0.00044	557	2.513	1.689
		24	24	0.574	22.6	0.2588	0.0004	510.8	2.301	1.546
0.55				0.5888	22.0	0.2453	0.00038	484	2.181	1.465
	24			0.550	21.7	0.2376	0.00037	470.9	2.112	1.419
		25	25	0.5105	20.1	0.2047	0.00032	404	1.820	1.223
0.5				0.508	20.0	0.2021	0.00031	400	1.797	1.211
		26	26	0.500	19.7	0.1964	0.0003	388.1	1.746	1.173
	25			0.458	18.0	0.1642	0.00025	324	1.460	0.9807
				0.4547	17.9	0.1624	0.00025	320.4	1.443	0.9699
0.45				0.450	17.7	0.1590	0.00025	313.3	1.414	0.9504
		27		0.4166	16.4	0.1363	0.00021	268.9	1.212	0.8141
	26		27	0.4064	16.0	0.1297	0.0002	256	1.153	0.7749
				0.4039	15.9	0.1281	0.0002	252.8	1.139	0.7652
0.4				0.400	15.8	0.1257	0.000196	249.6	1.117	0.7506
	27	28		0.3759	14.8	0.1110	0.000172	219	0.9868	0.6630
				0.3607	14.2	0.1022	0.00016	201.6	0.9083	0.6104
			28	0.3556	14.0	0.09928	0.00015	196	0.8826	0.5933
0.35				0.350	13.8	0.09621	0.00015	190.4	0.8553	0.5747
		29		0.3454	13.6	0.09372	0.00015	184.9	0.8332	0.5599
	28		29	0.3302	13.0	0.0856	0.00013	169	0.7610	0.5115
0.32				0.320	12.6	0.08042	0.00012	158.8	0.7149	0.4805
		30		0.315	12.4	0.0791	0.00012	153.8	0.7032	0.4654
		31		0.3048	12.0	0.07296	0.00011	144	0.6486	0.4359
			30	0.2946	11.6	0.06818	0.00011	136.6	0.6061	0.4073
0.29	29			0.290	11.4	0.06605	0.0001	130	0.5872	0.3946



Gauge System 게이지별 치수			Diameter 지름			Calculated-Sectional Area 계산단면적			Weight 계산무게	
mm	AWG	AWG	BWG	mm	mil	sq/mm	sq/in	cir/mil	kg/mm	1b/1,000ft
				0.287	11.3	0.6470	0.0001	127.7	0.5752	0.3865
		32		0.2743	10.8	0.5910	0.00009161	116.6	0.5254	0.3531
0.26	30			0.260	10.2	0.05309	0.00008168	104	0.720	0.3171
		33	31	0.2540	10.0	0.05067	0.00007854	100	0.4505	0.3027
		34		0.2337	9.2	0.04289	0.00006648	84.64	0.3813	0.2562
0.23				0.230	9.1	0.04155	0.00006504	82.81	0.3694	0.2482
	31		32	0.2286	9.0	0.04105	0.00006362	81	0.3649	0.2452
				0.2261	8.9	0.04041	0.00006221	79.21	0.3568	0.2398
		35		0.2134	8.4	0.03515	0.00005542	70.56	0.3125	0.2136
	32		33	0.2032	8.0	0.03243	0.00005207	64	0.2884	0.1937
				0.2007	7.9	0.03161	0.00004902	62.41	0.2811	0.1889
0.2				0.200	7.9	0.03142	0.00004902	62.41	0.2793	0.1788
	33	36		0.193	7.6	0.02927	0.00004537	57.76	0.2602	0.1748
				0.1803	7.1	0.02555	0.00003959	50.41	0.2271	0.1526
0.18				0.180	7.1	0.02545	0.00003959	50.41	0.2263	0.1521
			34	0.1778	7.0	0.02483	0.00003846	49	0.2207	0.1783
	34	37		0.1727	6.8	0.02348	0.00003632	46.24	0.2087	0.1400
0.16				0.160	6.3	0.02010	0.00003117	39.79	0.1788	0.1201
	35	38		0.1524	6.0	0.01824	0.00002827	36	0.1622	0.1090
				0.1422	5.6	0.01587	0.00002463	31.36	0.1413	0.09492
0.14				0.140	5.5	0.01539	0.00002376	30.25	0.1368	0.09196
	36	39		0.1321	5.2	0.0137	0.00002124	27.04	0.1218	0.08155
			35	0.127	5.0	0.01267	0.00001964	25	0.1126	0.07567
		40		0.1219	4.8	0.01167	0.0000181	23.04	0.1038	0.06974
0.12	37			0.120	4.7	0.1131	0.00001736	22.09	0.1005	0.06762
	38	41		0.1118	4.4	0.00981	1.5E-05	19.36	0.08721	0.05860
		42	36	0.1016	4.0	0.00811	1.3E-05	16	0.07207	0.04843
0.1				0.100	3.9	0.00785	1.2E-05	15.21	0.06982	0.04690
	39	43		0.0914	3.6	0.00657	1E-05	12.96	0.05838	0.03923
				0.0889	3.5	0.00621	9.6E-06	12.25	0.05518	0.03708
	40	44		0.0813	3.2	0.00519	8E-06	10.24	0.04613	0.03100
				0.07887	3.1	0.00487	7.5E-06	9.61	0.04329	0.02909

## PROPERTIES OF INSULATING AND SHEATHING MATERIALS

Material	Parameter					
	Abbreviation	Working Temperature	Dielectric Constant (10-3)	Volume Resistivity ( $\Omega \times \text{cm}$ )	Tensile Strength N/mm <sup>2</sup> MPa	Elongation %
Polyvinylchloride	PVC	-30 +70	4.0	$10^{12} - 10^{15}$	10 – 25	150 – 300
Polyvinylchloride heat resistant	PVC	-20 +90	3.5	$10^{12} - 10^{15}$	10 – 25	150 – 300
High pressure Polyethylene	LDPE	-50 +70	2.3	$10^{17}$	20 – 30	500
Low Pressure Polyethylene	HDPE	-50 +100	2.3	$10^{17}$	30	800
Polyurethane	PUR	-40 +90/100	4.0-6.0	$10^{12}$	30 – 45	300 – 600
Polyamide	PA	-40 +80	3.5-7.0	$10^{14}$	50 – 180	200 – 300
Polybutylene terephthalate	PBTP	-60 +110	3.0-4.0	$10^{16}$	50 – 100	50 – 300
Polytetrafluorethylene	PTFE	-190 +260	2.1	$10^{18}$	14 – 40	240 – 400
Tetrafluorethylene Hexafluorpropylene Copolymere	FEP	-110 +200	2.1	$10^{18}$	20 – 25	250 – 350
Ethylenetetrafluorethylene	ETFE	-100 +150	2.6	$10^{16}$	40 – 50	100 – 300
Perfluoralkoxy-polymer	PFA	-190 +260	2.1	$10^{15}$	30	300
Chloropren rubber	CR	-40 +100	6.0-8.0	$10^{13}$	25	450
Silicone rubber	SI	-60 +180	2.8-3.2	$10^{15}$	5 – 10	200 – 350
Ethylene vinyl acetate	EVA	-30 +125	$0.5 \times 10^{14}$	$10^{13}$	5	200
Ethylene propylen rubber	EPM/ EPDM	-30 +120	3.2	$10^{14}$	5 – 25	200 – 450
Thermoplastic polyolefin elastomer	TPE-O	-40 +120	2.7-3.6	$5 \times 10^{14}$	$\geq 6$	$\geq 400$
Thermoplastic polyester elastomer	TPE-E	-70 +125	3.7-5.1	$10^{12}$	3 – 25	280 – 650
Styrene triple block copolymer	TPE-S	-75 +105/140	2.2-2.6	$10^{16}$	9 – 25	500 – 700

\* Only with additional flame retardener

## PROPERTIES OF INSULATING AND SHEATHING MATERIALS

Material	Parameter				
	Water Absorption (20°C) %	Weather resistance	Fuel resistance	Oil resistance	Flammability
Polyvinylchloride	0.4	moderate	moderate	good	self-extinguishing
Polyvinylchloride heat resistant	0.4	moderate	moderate	good	self-extinguishing
High pressure Polyethylene	0.1	good	poor	moderate	flammable
Low Pressure Polyethylene	0.1	moderate	poor	moderate	flammable
Polyurethane	1.5	very good	good	good	self-extinguishing
Polyamide	1 – 2	good	moderate	good	flammable
Polybutylene terephthalate	0.5	good	good	good	flammable
Polytetrafluorethylene	0.01	very good	very good	very good	non-flammable
Tetrafluorethylene Hexafluorpropylene Copolymere	0.01	very good	very good	very good	non-flammable
Ethylenetetrafluorethylene	0.01	very good	very good	very good	non-flammable
Perfluoralkoxy-polymer	0.01	very good	very good	good	non-flammable
Chloropren rubber	1	very good	poor	good	self-extinguishing
Silicone rubber	1	very good	poor	moderate	less-flammable
Ethylene vinyl acetate	0.01	good	poor	poor	flammable
Ethylene propylen rubber	0.02	good	poor	poor	flammable
Thermoplastic polyolefin elastomer	1.5	very good	moderate	moderate	flammable
Thermoplastic polyester elastomer	0.3 – 0.6	very good	good	very good	flammable
Styrene triple block copolymer	1 – 2	moderate	good	poor	flammable

\* Only with additional flame retardener

## GENERAL DIMENSIONS

The basic unit are in the english gravitational system: length(ft) - force (ibf=Lb) - time (s)

In the english absolute system: length (ft) - mass (lb) - time (s)

Length Dimensions	Mass inits	Weight per unit lengtht
1 mil = 0.0254 mm 1 inch (in;") = 25.4 mm 1 foot (ft;") = 0.305m 1 yard (yd) = 0.914 m 1 chain (ch) = 20.1 m 1 statue mile = 1.61 km 1 nautical mile = 1.835 km 1 statute mile = 1760 yards	English gravitation system: 1 slug = 1 lbs · s <sup>2</sup> /ft English absolute system : 1 pound = 1 lb  1 slug = 32.174 lb, with 32.174 ft / s <sup>2</sup> as the standard value of acceleration due to gravity  1 grain = 64.80 mg 1 dram = 1.770 g 1 ounce (oz) = 16 drams = 28.35 g 1 pound (lb) = 16 oz = 453.59 g 1 stone = 14 lbs = 6.35 kg 1 US ton (short ton) = 0.907 t 1 Brit.ton (long ton) = 0.016 t	1 lb per foot = 1.488 kg/m 1 lib per yard = 0.469 kg/m 1 lib per mile = 0.282 kg/m
		Density
		1 lb.ft = 16.02 kb/
		Weight(specific weight)
		1 lbf/ft = 16.02 kp/
		Copper wire weight per mile
		lb/mile 0mm 5 0.404 6.5 0.51 7.5 0.55 10 0.64 20 0.90 40 1.27
		Units of energy
		1 horsepower = 0.746 kw(H.P.) 1 brit. Therm. Unit = 0.252 kcal
		The insulation wall thickness is often expressed in n/64 inches, 1/64 inch being roughly equaled to 0.4 mm.
		Furtherdimensions for wire weights and for electrical field strengths :
		lbf pr. Mfeet = 1.488 kg/km lbf pr. Mile = 0.282 kg/km  40 V/mil = 1.6 kV/mm 80 V/mil = 3.2 kV/mm 100 V/mil = 4.0 kV/mil 250 V/mil = 10.0 kV/mil
Cubic Dimensions	Units of force	
1 cubic inch = 16.39 cm <sup>3</sup> 1 cubic foot = 0.0283 m <sup>3</sup> 1 cubic yard = 0.765 mm <sup>3</sup> 1 US liquid gallon = 3.79 l 1 pint = 0.473 l 1 quart = 0.946 l 1 brit gallon = 4.53 l 1 barrel = 119.2 l	English gravitational system : pound-force 1 lbf = 1 Lb	
		Units of energy
		1 horsepower = 0.746 kw(H.P.) 1 brit. Therm. Unit = 0.252 kcal
		The insulation wall thickness is often expressed in n/64 inches, 1/64 inch being roughly equaled to 0.4 mm.
		Furtherdimensions for wire weights and for electrical field strengths :
		lbf pr. Mfeet = 1.488 kg/km lbf pr. Mile = 0.282 kg/km  40 V/mil = 1.6 kV/mm 80 V/mil = 3.2 kV/mm 100 V/mil = 4.0 kV/mil 250 V/mil = 10.0 kV/mil
Area Dimensions	Conversion to metric units:	
1 circ. Mil (CM) = 0.507 · 10 <sup>-3</sup> mm <sup>2</sup> 1 kcmil (MCM) = 0.5067 mm <sup>2</sup> 1 square inch (sq.in.) = 645.16 mm <sup>2</sup> 1 square foot (sq.ft.) = 0.0929 m <sup>2</sup> 1 square yard = 0.836 m <sup>2</sup> 1 acre = 0.00405 km <sup>2</sup> 1 square mile = 2.59 km <sup>2</sup> 1 m <sup>2</sup> = 10.746 sq.ft.	English absolute system : poundal 1 pdl = 1 lbs · ft/ s <sup>2</sup>  1 lbf = 32.174 pdl - 9.80665 lb · m/ s <sup>2</sup>	
		Electrical unit per unit length:
		1 μf per mile = 0.62 μF/km 1 megohm per mile = 1.61 MΩ · km 1 megohm per 1000 ft = 3.28 Ω · km 1 ohm per 1000 yd = 1.0936 Ω /km

\*These units are mostly not in use. They are for informaion only.





**FACTORY & HEADOFFICE**

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