Head office/Plant :
160 Haichang-Ri, Paltan-Myun
Hwasung City, Kyunggi-Do, Korea

SPECIFICATION

FOR

15KV COPPER CONDUCTOR, XLPE INSULATED
AND PVC SHEATHED POWER CABLE
15KV CU/XLPE/CTS/PVC

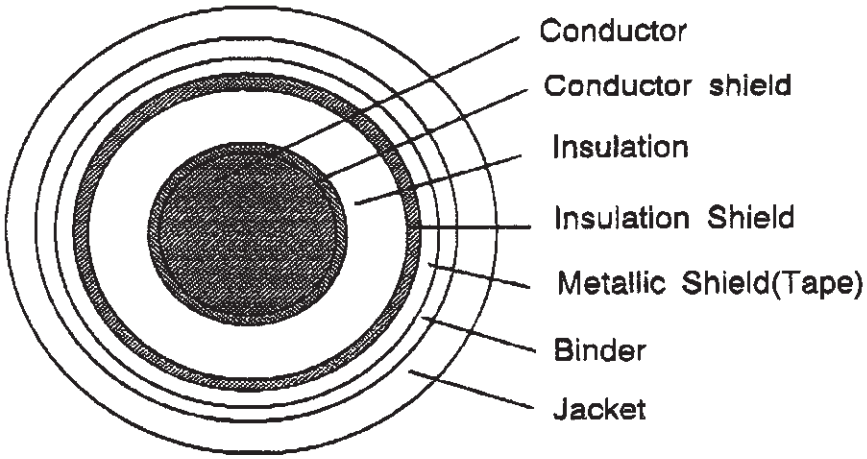
PREPARED BY J.P. Lee

APPROVED BY

KTC CO., LTD.

CABLE CONSTRUCTION DATA

*. 15KV XLPE Insulated cable.

No	DESCRIPTION		UNIT	PARTICULARS	
1	Basic standard		-	ICEA S-66-524	
2	Rated Voltage		KV	15	
3	No. of core		ea	1	
4	Conductor	Material	-	Copper	
		Size	AWG	Nom.	2
		Diameter	mm	Nom.	6.81
		Shape	-		Compacted stranded circular
5	Conductor Shield	Material	-		Semi-con. compound
		Thickness	mil	Min.	2.5 (0.06mm)
6	Insulation	Material	-		XLPE compound
		Thickness	mil	Nom.	175 (4.45mm)
7	Insulation Shield	Material	-		Semi-con. compound
		Thickness	mil	Min.	5 (0.127mm)
8	Metallic Shield	Material	-		Annealed copper
		Thickness	mil	Min.	2.5 (0.0634mm)
		No. of tape	ea		1
9	Binder	Material	-		Suitable material
10	Jacket	Material	-		PVC Compound
		Thickness	mil	Nom.	80 (2.03mm)
11	Details of Cable Marking		-	15KV CU/XLPE/TS/PVC 1C×Conductor Size KTC 2003	
12	Overall dia. of completed cable		mm	Approx.	24
13	DC resistance of phase conductor at 20℃		Ω/Km	Max.	0.532
14	Weight of completed cable		Kg/Km	Approx.	850
15	Unit length of cable		M	Nom.	500
16	Drum of material		-	+-	Wooden drum

15kV XLPE INSULATED TAPE SHIELDED CABLE SECTION DRAWING