



TECHNICAL SPECIFICATION

Khorasan Electric Ind. Co.



Power Cable 1 x 500 (N)YY

P.V.C - insulated & Sheathed, Single-Core Cable Conductor Type NYY, 0.6/1 KV ACC(INSO 3569-1)

Cable Layer Construction **CU , PVC , PVC** **LV**

Applicable Standard(s) IEC 60502-1 & INSO 3569-1 & IEC 60228 & DIN VDE 0271

Description		Unit	Specification
CONDUCTOR	Material	****	Plain Annealed Copper
	TYPE	****	Stranded (Class 2) RM
	No.of core & Conductor Area	no (mm ²)	1 x 500
	No & Dia of Wire	no (mm)	61 x 3.18
	Shape	****	ROUND
INSULATION	Material	****	Extruded PVC
	Thickness	mm	2.8
	Colour	****	Black
Outer Sheath	Material	****	Extruded PVC
	Thickness	mm	2.1
	Colour	****	Black
Overall diameter (Approx.)		mm	38.42
Cable Weight (Approx.)		Kg / km	5,140
Packing		****	Drum
Rated Voltage Uo/U (Um)		KV	0.6 / 1 (1.2)
System Frequency		Hz	50
DC conductor resistant At 20 °C		Ω/ Km	0.0366
Conductor Short Circuit Current (1 Sec)		KA	49.4
Test voltage		KV	4
Max.Short circuit withstand current temperature		°C	+ 160
Operation temperature		°C	- 30 to +70
Special Proerties		Flame Retardant	IEC 60332-1-2
(افشار نژاد) KHORASAN ELECTRIC IND.CO INSO 3569-1 6932568916 0.6 / 1KV NYY 1x500 mm2 RM MADE IN IRAN CE			

CU Copper	PET Polyester Tape	CWC+CT Concentric Copper Wire Conductor+Copper Tape
TiCu Tinned Copper	Al-PET Aluminum Polyester Tape	CWS+CT Concentric Copper Wire Screen+Copper Tape
MGT Mica Glass Tape	CU-PET Copper Polyester Tape	SWA Steel Wire Armour
PVC Polyvinyl Chloride	TDW Tinned Drain Wire	SWB Steel Wire Braid
PE Polyethylene	CWB Copper Wire Braid	DTA Double Tape Armour
XLPE Cross Linked Polyethylene	TCWB Tinned Copper Wire Braid	LSPVC Low Smoke PVC
SR Silicone Rubber	OSCR Overall Screen	LSFOH Low Smoke Free Of Halogen

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