



TECHNICAL SPECIFICATION

# Khorasan Electric Ind. Co.



## Power Cable 1 x 300 (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	CU	Material	****	Plain Annealed Copper
		TYPE	****	Stranded ( Class 2 ) RM
		No.of core & Conductor Area	no (mm <sup>2</sup> )	1 x 300
		No & Dia of Wire	no (mm)	61 x 2.47
		Shape	****	ROUND
INSULATION	PVC	Material	****	Extruded PVC
		Thickness	mm	2.4
		Colour	****	Black
Outer Sheath	PVC	Material	****	Extruded PVC
		Thickness	mm	2.0
		Colour	****	Black
Overall diameter ( Approx. )		mm	31.25	
Cable Weight ( Approx. )		Kg / km	3,226	
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	0.0601	
Conductor Short Circuit Current ( 1 Sec )		KA	33.3	
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	
(افشارزاد) KHORASAN ELECTRIC IND.CO INSO 3569-1 6932568916 0.6 / 1KV NYY 1x300 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

Shafiei