



TECHNICAL SPECIFICATION

# Khorasan Electric Ind. Co.



## Power Cable 3 x 120+70 (N)YY-O

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

Cable Layer Construction	CU , PVC , Pet-Tape , 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 ) SM	
		No.of core & Conductor Area	L	no (mm <sup>2</sup> )	3 x 120
			N		1 x 70
			PE		0
		No & Dia of Wire	L	no (mm)	37 x 2.06
			N		19 x 2.14
PE	0				
Shape	****	Sector			
INSULATION	PVC	Material	****	Extruded PVC	
		Thickness	L	1.6	
			N	1.4	
			PE	0.0	
Colour	****	L:Black, Yellow, Red, N:Blue			
Core wrap	Pet-tape	Material	****	Polyester Tape	
Outer Sheath	PVC	Material	****	Extruded PVC	
		Thickness	mm	2.2	
		Colour	****	Black	
Overall diameter ( Approx. )		mm	39.6		
Cable Weight ( Approx. )		Kg / km	4,665		
Packing		****	Drum		
Rated Voltage U <sub>o</sub> /U (Um)		KV	0.6 / 1 (1.2)		
System Frequency		Hz	50		
DC conductor resistant At 20 °C	L	Ω/ Km	0.153		
	N		0.268		
Conductor Short Circuit Current ( 1 Sec )		KA	13.3		
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		

(افشار مشهد) KHORASAN ELECTRIC IND.CO INSO 3569-1 6932568916 0.6 /1KV NYY-O 3x120+70 mm2 SM 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