



TECHNICAL SPECIFICATION

Khorasan Electric Ind. Co.



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

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

Cable Layer Construction **CU , PVC , 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	****	Flexible (Class 5) RF	
	No.of core & Conductor Area	L	no (mm ²)	3 x 120
		N		1 x 70
		PE		0
	No & Dia of Wire	L	no (mm)	570 x 0.49
		N		350 x 0.49
PE		0		
Shape	****	ROUND		
INSULATION	Material	****	Extruded PVC	
	Thickness	L	1.6	
		N	1.4	
		PE	0.0	
Colour	****	L:Black, Yellow, Red, N:Blue		
Filler	Material	****	Extruded PVC	
	Thickness	mm	1.4	
Outer Sheath	Material	****	Extruded PVC	
	Thickness	mm	2.5	
	Colour	****	Black	
Overall diameter (Approx.)		mm	48.9	
Cable Weight (Approx.)		Kg / km	5,635	
Packing		****	Drum	
Rated Voltage U ₀ /U (Um)		KV	0.6 / 1 (1.2)	
System Frequency		Hz	50	
DC conductor resistant At 20 °C	L	Ω/ Km	0.161	
	N		0.272	
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	

(افشارشاد) KHORASAN ELECTRIC IND.CO INSO3569-1 6932568916 0.6 /1KV NYY-O 3x120+70 mm2 RF FLEXIBLE 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