

TECHNICAL SPECIFICATION

**Khorasan Electric Ind. Co**



**Cable 3 x 1.5 Fire Resistant**

Cable Layer Construction	CU . MGT. XLPE . SC . LSHF	LV
--------------------------	----------------------------	----

Standard Matching	IEC 60502-1 , ISIRI 3569-1
-------------------	----------------------------

R	Description			Unit	Specification	
1	Conductor	CU	Material	***	Annealed Copper	
			Conductor Type	***	Class 5 (RF)	
			Nominal Cross Section	L	mm <sup>2</sup>	1 x 1.5
				N	mm <sup>2</sup>	1 x 1.5
				PE	mm <sup>2</sup>	1 x 1.5
			Number & Diameter of Wires	L	no * mm	30 x 0.24
				N	no * mm	30 x 0.24
PE	no * mm	30 x 0.24				
Shape	***	Round				
2	Fire Barrier	MGT	Material	***	Mica Glass tape	
			Thickness	mm	0.12	
3	Insulation	XLPE	Material	***	Extruded XLPE	
			Thickness	L	mm	0.7
				N	mm	0.7
				PE	mm	0.7
Colour	L: Black , N:Blue , PE:Yellow.Green					
4	Wrapping	SC	Material	***	Polyester Tape	
			Thickness	mm	0.036	
			Material	***	Aluminum	
			Thickness	mm	0.036	
5	Shield		Material	***	Annealed Copper	
			Number & diameter of wires	mm	24 x 6 x 0.12	
6	Outer Sheath	LSHF	Material	***	Extruded LSHF	
			Thickness	mm	1.8	
			Colour	***	Red	
7	Special Properties	Standard	Low Smoke	IEC 61034		
			Flame Retardant	IEC 60332-1-2		
			Fire Resistant	IEC 60331-21		
			Halogen Acid Gas	IEC 60754-1,2		
8	Approx. overall diameter of cable			mm	11.36	
9	Approx. Weight of cable			Kg/k	160	
10	Packing			***	Drum	
11	Rated Voltage U0 / U(Um)			KV	0.6 / 1 (1.2)	
12	System Frequency			Hz	50	
13	Max conductor resistance At 20° C			Phase	Ω/ Km	13.30
				Null		
14	Short circuit withstand current / time5s			KA	0.2	
15	Cable Voltage test			KV	2	
16	Max.Short circuit withstand current temperature			°C	+ 250	
17	Operation temperature			°C	-30 to +90	

(افشارنژاد) KHORASAN ELECTRIC IND.CO fire resistan 0.6/1KV CU/MGT/XLPE/SC/LSHF  
IEC 60331-21 , 750°C 120 min 3 x 1.5 mm<sup>2</sup> RF FLEXIBLE MADE IN IRAN