

Construction :	
Conductor	Solid plain annealed copper (1.4 mm)
Insulation	HDPE
Color Code	All cores are gray except one blue core in each layer as tracer
Bedding	PVC
Armour	Galvanized Steel Tapes
Sheath	PVC

**Color Code: Generally as VDE 0816 (also acc to Iran Railway standard)**



Characteristics	Conductor Size	Standard value	Unit
Conductor DC resistance, max.	0.9 mm	Max 28.9	Ohm/kM
	1.4 mm	Max 11.9	
Insulation resistance		Min 5	Gohm x km
Mutual capacitance	0.9 mm	Max 100	nF/km at 800 - 1000 Hz
	1.4 mm	Max 120	
Dielectric strength	wire/wire	2500	Veff & duration : 2 minutes
	wire/screen	2500	

Number of Cores x Conductor Diameter	Diameter Under Armour	Armour Tape Thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm	mm	mm	mm	mm	Kg/Km	meter
4x1x1.4	10.4	0.5	2.6	17.6	543	1,000
5x1x1.4	11.2	0.5	2.6	18.4	593	1,000
8x1x1.4	12.4	0.5	1.8	18.0	622	1,000
10x1x1.4	14.5	0.5	2.6	21.7	813	1,000
16x1x1.4	16.4	0.5	2.6	23.6	995	1,000
20x1x1.4	18.0	0.5	2.6	25.2	1135	500
30x1x1.4	20.8	0.5	2.6	28.0	1416	500
33x1x1.4	21.6	0.5	2.6	28.8	1504	500
40x1x1.4	23.2	0.5	2.6	30.4	1685	500
50x1x1.4	26.0	0.5	2.6	33.2	1986	500
56x1x1.4	26.8	0.5	2.6	34.0	2117	500
60x1x1.4	27.5	0.5	2.6	34.7	2217	500
65x1x1.4	28.4	0.5	2.6	35.6	2337	500