

Construction :	
Conductor	Solid plain annealed copper (0.9 mm)
Insulation	HDPE
Color Code	All cores are gray except one blue core in each layer as tracer
Inner Covering	PVC
Shield	Copper Wires
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
2x1x0.9 S(2B0.5)	11.1	0.5	1.8	16.7	412	1000
4x1x0.9 S(2B0.5)	11.9	0.5	1.8	17.5	699	1000
8x1x0.9 S(2B0.5)	14.2	0.5	1.8	19.8	886	1000
12x1x0.9 S(2B0.5)	15.2	0.5	1.8	20.8	971	1000
16x1x0.9 S(2B0.5)	16.3	0.5	2.0	22.3	1180	1000
12x1x1.4 S(2B0.5)	18.1	0.5	2.0	24.1	1292	1,000
16x1x1.4 S(2B0.5)	19.6	0.5	2.0	25.6	1463	1,000
21x1x1.4 S(2B0.5)	21.2	0.5	2.0	27.2	1203	1,000
27x1x1.4 S(2B0.5)	24.1	0.5	2.0	30.1	1203	1,000
33x1x1.4 S(2B0.5)	25.6	0.5	2.0	31.6	1203	500
40x1x1.4 S(2B0.5)	27.2	0.5	2.0	33.2	1203	500
48x1x1.4 S(2B0.5)	29.3	0.5	2.2	35.7	1203	500
56x1x1.4 S(2B0.8)	30.8	0.8	2.2	38.4	2306	500