

AJ-2Y(St)YBY

**Construction :**

Conductor	Solid plain annealed copper (0.9 mm)
Insulation	HDPE
Color Code	Quad : Yellow+Red , Green+Blue , All quads are distinguished by colored binders
Inner Covering	PVC
Shield	Copper Tape
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 Loop resistance, max.	0.9 mm	Max 56.6	Ohm/kM
	1.4 mm	Max 23.4	
Insulation resistance		Min 5	Gohm x km
Mutual capacitance	0.9 mm	Max 45	nF/km at 800 - 1000 Hz
	1.4 mm	Max 50	
Dielectric strength	wire/wire	2500	Veff & duration : 2 minutes
	wire/screen	2500	
Capacitance unbalance	Within quads (K1)	Max 400	pf/300 m at 800 - 1000 Hz
	between adjacent quads (K9 ~ K12)	Max 300	
	between non-adjacent quads (K9 ~ K12)	Max 100	
	between quads and earth (E1)	Max 800	

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
1x4x1.4 S(2B0.5)	15.2	0.5	2.6	22.4	880	1000
3x4x1.4 S(2B0.5)	21.3	0.5	2.6	28.5	1371	1000
5x4x1.4 S(2B0.5)	24.5	0.5	2.6	31.7	1719	1000
7x4x1.4 S(2B0.5)	26.3	0.5	2.6	33.5	1949	1,000
8x4x1.4 S(2B0.5)	28.0	0.5	2.6	35.2	2121	1,000
10x4x1.4 S(2B0.5)	30.6	0.5	2.6	37.8	2414	1,000