



### Application

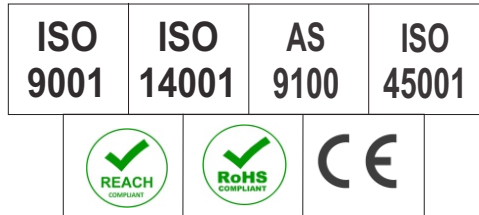
- ✓ Used in intrinsically safe circuits.

### Features

- ✓ High shielding coverage and low transfer impedance.
- ✓ Copper braiding avoids electromagnetic interference in signal transmission.
- ✓ Substances (like silicone) that hinder the properties of lacquer are not used.

### Product Construction

- ✓ Conductor: Finely Stranded Bare Copper Wires.
- ✓ Insulation : PVC Compound
- ✓ Separator: Insulating Plastic foil.
- ✓ Braiding: Tinned Copper Wire.
- ✓ Outer Sheath: Blue Color Special PVC Compound.
- ✓ Cores: Black Colored with White numbers.



### Technical Data

- ✓ Temperature Range:  
Flexible applications : - 5°C to +70°C  
Fixed Installation : - 40°C to +80°C
- ✓ Test Voltage :  
Core/Core : 3 kV  
Core/Shielding : 2 kV
- ✓ Bending Radius(Minimum):  
Flexing : 20 x Cable Diameter  
Static : 6 x Cable Diameter
- ✓ Rated Voltage : <50 V  
<75 V DC
- ✓ Specific Insulation Resistance: >20 G Ohm x cm.
- ✓ Inductivity: 0.65 mH/km(approx.).
- ✓ Mutual Capacitance:  
Core/Core :135 nf / km(approx.)  
Core/Shielding :185 nf / km(approx.)
- ✓ As per VDE 0293.

Part Number	Number of Cores and mm <sup>2</sup> Per Conductor	Outer Diameter in mm approx.	Copper Index Kg/Km	Weight Kg/Km approx.
6310802	2Cx0.75	7.08	43.00	86.65
6310803	3Cx0.75	7.45	52.00	99.61
6310804	4Cx0.75	8.06	57.00	112.76
6310805	5Cx0.75	8.72	70.00	135.63
6318 07	7Cx0.75	9.42	89.00	164.85
6310808	8Cx0.75	10.47	110.00	206.55
6310810	10Cx0.75	11.26	135.76	221.21
6310812	12Cx0.75	11.63	138.00	234.43
6310818	18Cx0.75	13.60	207.00	339.21
6310820	20Cx0.75	14.37	236.27	380.81
6310825	25Cx0.75	15.94	278.00	452.12
6310830	30Cx0.75	16.90	315.00	516.64
6310834	34Cx0.75	18.28	350.00	575.74
6310841	41Cx0.75	19.85	397.00	662.03
6311002	2Cx1	7.42	46.00	93.69
6311003	3Cx1	7.82	56.00	107.90
6311004	4Cx1	8.47	69.00	129.85
6311005	5Cx1	9.18	88.00	159.79
6311007	7Cx1	9.93	111.00	193.84
6311012	12Cx1	12.34	168.00	272.51
6311018	18Cx1	14.45	245.00	388.63
6311025	25Cx1	16.96	332.00	521.43
6311034	34Cx1	19.47	440.00	685.90
6311302	2Cx1.5	7.98	63.00	117.65
6311303	3Cx1.5	8.43	76.00	135.20
6311304	4Cx1.5	9.15	98.00	167.53
631305	5Cx1.5	9.93	116.00	198.26
6311307	7Cx1.5	10.77	152.00	246.66
6311312	12Cx1.5	13.51	222.00	339.84
6311318	18Cx1.5	16.10	368.00	531.14
6311325	25Cx1.5	18.89	500.00	715.37
6311330	30Cx1.5	20.03	555.00	804.79
6311334	34Cx1.5	21.68	645.00	924.81

