



Application

- ✓ Moving equipment and machinery.
- ✓ Dry and damp interiors.
- ✓ Underground mining as well as in Surface mining.
- ✓ Fixed installations and building sites.
- ✓ Robots and handling units.
- ✓ Electricity transferring units where constant mobility is needed.
- ✓ Used at high mechanical stress.
- ✓ Suitable for industry under extreme environmental conditions.
- ✓ Outdoor uses.

Features

- ✓ Electron Beam Cross Linked.
- ✓ High damage resistant.
- ✓ Ozone resistant.
- ✓ Resistant against oil, fat and chemicals
- ✓ High insulation resistant.
- ✓ Low abrasion.
- ✓ Single core cables are used in welding equipments.
- ✓ High notch resistance.

Product Construction

- ✓ Conductor : Finely Stranded tinned Copper Wires.
- ✓ Insulation : Electron Beam Cross Linked Polyolefin.
- ✓ Cores - Twisted.
- ✓ Inner Sheath : Electron Beam Cross Linked Polyolefin.
- ✓ Outer Sheath : Electron Beam Cross Linked Polyolefin(Yellow) or as per customer order .

ISO 9001	ISO 14001	AS 9100	ISO 45001
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Technical Data

- ✓ Temperature Range :
Flexible applications : - 25°C to +125°C
Fixed Installation : - 40°C to +125°C
- ✓ Test Voltage : 3 kV
- ✓ Protective Conductor(PC) : G- With green/yellow PC
X -Without PC
- ✓ Bending Radius(Minimum):
Flexing : 10 x Cable Diameter
Static : 5 x Cable Diameter
- ✓ Rated Voltage (U_i/U) : 600/1000 V
- ✓ Specific Insulation Resistance : >1 G Ohm x cm.

Part Number	Number of Cores and mm ² Per Conductor	Outer Diameter in mm approx.	Copper Index Kg/Km	Weight Kg/Km approx.
6391303G	3G1.5	10.92	43.00	173.14
6391304G	4G1.5	11.80	58.00	208.26
6391305G	5G1.5	12.75	72.00	246.25
6391603G	3G2.5	12.75	72.00	246.60
6391604G	4G2.5	13.80	96.00	297.90
6391605G	5G2.5	14.94	120.00	354.66
6391607G	7G2.5	16.15	168.00	435.89
6391612G	12G2.5	20.85	288.00	732.52
6391618G	18G2.5	24.25	432.00	1023.49
6391904G	4G4	16.02	154.00	420.77
6391905G	5G4	17.36	192.00	502.74
6392304G	4G6	17.44	230.00	536.38
6392305G	5G6	18.95	288.00	646.05
6392704G	4G10	21.46	384.00	840.49
6392705G	5G10	23.34	480.00	1014.24
6392804G	4G16	24.10	614.00	1162.90
6392805G	5G16	26.29	768.00	1412.85
6393004G	4G25	28.99	960.00	1740.44
6393204G	4G35	31.92	1344.00	2251.93
6393404G	4G50	37.36	1920.00	3146.95
63928XX	1Cx16	13.01	154.00	318.84
63930XX	1Cx25	15.50	240.00	469.58
63932XX	1Cx35	16.71	336.00	590.68
63934XX	1Cx50	19.43	480.00	818.69
63937XX	1Cx70	21.20	672.00	1052.30
63938XX	1Cx95	24.04	912.00	1396.13
63941XX	1Cx120	25.70	1152.00	1679.75
63942XX	1Cx150	28.55	1440.00	2088.90
63944XX	1Cx185	31.44	1776.00	2559.82
63946XX	1Cx240	35.27	2304.00	3267.96

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

