

Single Core 750V Grade Thin Walled Flexible EBXL Control Cables for Electric Locomotives

Application

- ✓ Thin walled flexible EBXL control cables for Tap changer of electric locomotives, for AC/DC EMU, BG, AC EMU & MEMU coaching stock.

Product Construction

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor class 5, unilay constriction upto 6 sq.mm
- ✓ Insulation : EBXL - EVA (Single layer)

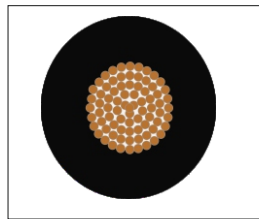
Technical Data

- ✓ Temperature range :
Operating temp :-40°C to +120°C.
High insulation resistance at elevated temp.
- ✓ Rated voltage : 750V
- ✓ Short circuit temperature :+280°C.
- ✓ Test voltage : 6kV for 15 mins
- ✓ Min. bending radius : 3 x D for cable dia <10mm
5 x D for cable dia >10mm < 20 mm
- ✓ Insulation resistance constant
(at room temp) : K ≥ 2000 MΩ.Km
- ✓ Specification : ELRS / SPEC / ELC / 0019 Rev 2.

Features

- ✓ Limited fire hazard type
- ✓ Minimum flame spread
- ✓ Low smoke emission
- ✓ Limited toxic fume emission
- ✓ Resistant to mineral oil, diesel, etc.

2D View



Approvals Accreditations Certifications



Part Number	Nominal Cross Sectional Area of Core (mm ²)	No. of Wires x Wire Dia. (max) (Nos. x mm)	Overall Cable Dia (D) (mm)	Max. Resistance of Conductor at 20 deg.C (ohm/km)	Appro x Cable Weight (Kg/Km)
30013XX	1.5	30 x 0.26	2.70 ± 0.10	13.7	19.0
30016XX	2.5	50 x 0.26	3.30 ± 0.15	8.21	30.0
30019XX	4.0	56 x 0.31	3.95 ± 0.15	5.09	46.0
30023XX	6.0	84 x 0.31	4.50 ± 0.20	3.39	67.0
30027XX	10	80 x 0.41	5.60 ± 0.30	1.95	108.5
30028XX	16	126 x 0.41	7.20 ± 0.30	1.24	170.5
30030XX	25	198 x 0.41	8.60 ± 0.30	0.795	260.5
30032XX	35	266 x 0.41	10.00 ± 0.30	0.565	361.0
30034XX	50	385 x 0.41	11.90 ± 0.30	0.393	500.5
30037XX	70	348 x 0.51	14.20 ± 0.30	0.277	706.5
30038XX	95	468 x 0.51	15.70 ± 0.30	0.210	941.0
30041XX	120	589 x 0.51	17.70 ± 0.30	0.164	1189.0
30042XX	150	741 x 0.51	20.30 ± 0.30	0.132	1481.0

Note : XX* : Please add last two digits in the part number as per the colour code given here under 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	

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

