

Single Core above 750V and Upto 1.8/3kV Thin Walled Flexible EBXL Cables for Electric Locomotives

Application

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

Product Construction

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor
- ✓ Insulation : EBXL - EPDM 120°C (Dual layer)
- ✓ Outersheath : Electron Beam Cross Linked Polyolefin.

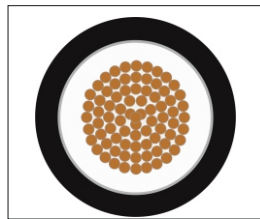
Technical Data

- ✓ Temperature range :
Operating temp. :-40°C to +120°C.
High insulation resistance at elevated temp.
- ✓ Rated voltage : Above 750V upto 1.8/3kV
- ✓ 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
- ✓ Insulation resistance constant
(at room temp) : $K \geq 12000 \text{ M}\Omega \cdot \text{Km}$
- ✓ 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)	Approx. Cable Weight (Kg/Km)
25813XXYY	1.5	30 x 0.26	3.20 ± 0.10	13.7	22.5
25816XXYY	2.5	50 x 0.26	3.70 ± 0.15	8.21	33.5
25819XXYY	4.0	56 x 0.31	4.50 ± 0.15	5.09	51.0
25823XXYY	6.0	84 x 0.31	5.10 ± 0.15	3.39	71.5
25827XXYY	10	80 x 0.41	6.30 ± 0.20	1.95	114.0
25828XXYY	16	126 x 0.41	8.30 ± 0.20	1.24	186.0
25830XXYY	25	198 x 0.41	10.2 ± 0.30	0.795	294.0
25832XXYY	35	266 x 0.41	11.7 ± 0.30	0.565	399.0
25834XXYY	50	385 x 0.41	13.6 ± 0.30	0.393	545.5
25837XXYY	70	348 x 0.51	15.6 ± 0.30	0.277	755.0
25838XXYY	95	468 x 0.51	17.3 ± 0.30	0.210	1003.0
25841XXYY	120	589 x 0.51	19.6 ± 0.30	0.164	1268.0
25842XXYY	150	741 x 0.51	21.9 ± 0.30	0.132	1565.0
25844XXYY	185	912 x 0.51	23.8 ± 0.30	0.108	1907.0
25846XXYY	240	1184 x 0.51	26.9 ± 0.30	0.0817	2449.0
25848XXYY	300	1480 x 0.51	29.7 ± 0.30	0.0654	3026.0

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

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.

