



**Single Core 1.8/3kV Grade Thin Walled Flexible EBXL Cables for Coaching Stock Application**

**Application**

- ✓ Thin walled Flexible EBXL Cables for Passenger coaches, AC/DC EMU, BG, AC EMU & MEMU coaching stock.

**Features**

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

**Product Construction**

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor, Class 5.
- ✓ Insulation : EBXL - EPDM (Dual layer)
- ✓ Outersheath : Electron Beam Cross Linked Polyolefin. Black Colour.

**Technical Data**

- ✓ Temperature range :  
Operating temp :-40°C to +120°C.
- ✓ Rated voltage :1.8/3kV
- ✓ Short circuit temperature : +280°C.
- ✓ Test Voltage : 6kV for 15 mins
- ✓ Bending radius : 3D for cable dia <10mm  
5D for cable dia >10 mm
- ✓ Specification : EDTS 132 Rev-C (DS-1)



Part Number	No. of core x Nominal Cross Sectional Area (Nos x sq. mm)	No. of Wires x Single Wire dia (max) (Nos / mm)	Cable Overall Diameter (Nom) (mm)	Max. Conductor Resistance at 20°C (Ohm/km)	Cable Weight Approx. ( Kg/Km)
2651309YY	1C x 1.5	30 x 0.26	3.20 ± 0.10	13.7	20
2651609YY	1C x 2.5	50 x 0.26	3.70 ± 0.15	8.21	30
2651909YY	1C x 4	56 x 0.31	4.50 ± 0.15	5.09	50
2652309YY	1C x 6	84 x 0.31	5.10 ± 0.15	3.39	70
2652709YY	1C x 10	80 x 0.41	6.30 ± 0.20	1.95	120
2652809YY	1C x 16	126 x 0.41	8.30 ± 0.20	1.24	190
2653009YY	1C x 25	196 x 0.41	10.2 ± 0.30	0.795	280
2653209YY	1C x 35	266 x 0.41	11.7 ± 0.30	0.565	390
2653409YY	1C x 50	385 x 0.41	13.6 ± 0.30	0.393	550
2653709YY	1C x 70	348 x 0.51	15.6 ± 0.30	0.277	740
2653809YY	1C x 95	468 x 0.51	17.3 ± 0.30	0.210	960
2654109YY	1C x 120	589 x 0.51	19.6 ± 0.30	0.164	1200
2654209YY	1C x 150	741 x 0.51	21.9 ± 0.30	0.132	1550
2654409YY	1C x 185	912 x 0.51	23.8 ± 0.30	0.108	1907
2654609YY	1C x 240	1184 x 0.51	26.9 ± 0.30	0.0817	2449
2654809YY	1C x 300	1480 x 0.51	29.7 ± 0.30	0.0654	3026

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

