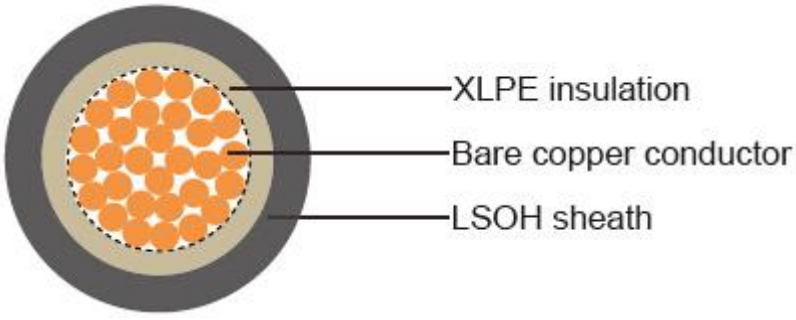
XINLAN®

6381B to BS7211 & IEC 60502

Application and Description

6381B to BS7211 & IEC 60502 cables are suitable for D.C. power supplies on telecom equipment and power applications where flexibility is required. 6381B to BS7211 & IEC 60502 cables produce no corrosive gases when burnt which is important where electronic equipment is installed.

Cable Construction



Bare copper conductor

Stranding to BS6360 CL-5 or IEC60228 CL-5

XLPE(Cross-Linked Polyethylene), GP8 insulation

LSOH(Low Smoke Zero Halogen) LTS4 sheath

Sheath/Core Identification

Blue (Blue), Grey (Grey), Green/Yellow (Green/Yellow), Brown (Brown), Special colours to order

Technical Characteristics

Working voltage: 600/1000V

Minimum bending radius: up to 50 mm² : 3xoverall diameter,

70mm² and above: - 4xoverall diameter

- Operating temperature: 0º C to +90º C

Insulation resistance: 10 MΩ/km

Flame retardant: IEC 60332.1, BS4066 Part 1

Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
16(30/30)	1x1.5	0.9	0.8	5.2	42
14(50/30)	1x2.5	0.9	0.8	5.7	54
12(56/28)	1x4	1	0.9	6.6	77
10(84/28)	1x6	1.1	0.9	7.3	102
8(80/26)	1x10	1.2	1	8.6	160
6(128/26)	1x16	1.2	1	9.6	210

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4(200/26)	1x25	1.4	1.1	11.5	320
2(280/26)	1x35	1.4	1.1	12.8	420
1(400/26)	1x50	1.4	1.4	14.9	590
2/0(356/24)	1x70	1.4	1.4	17.2	810
3/0(485/24)	1x95	1.6	1.5	18.6	1020
4/0(614/24)	1x120	1.6	1.8	20.8	1285
300MCM (765/24)	1x150	1.8	1.8	23.1	1610
350MCM (944/24)	1x185	2	1.8	25.3	1940
500MCM(1225/24)	1x240	2.2	1.8	27.8	2480
-(1525/24)	1x300	2.4	2	31.2	3050
-(2013/24)	1x400	2.6	2.1	35.3	4035
-(1769/23)	1x500	2.8	2.2	38.8	4970
-(2257/23)	1x630	2.8	2.4	43.8	6510

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