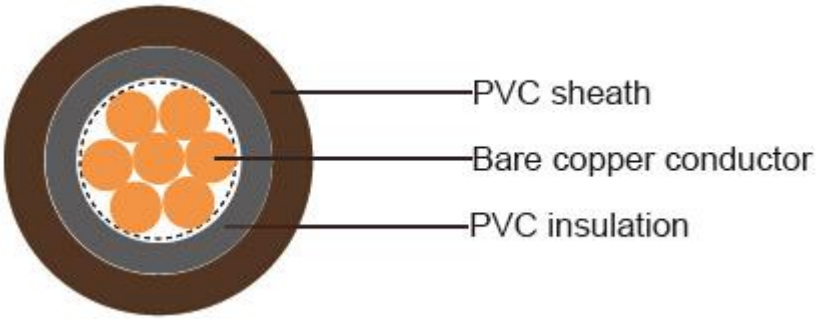
XINLAN®

6181X/6182X/6183X/6184X/6185X to BS 7889

Application and Description

6181X/6182X/6183X/6184X/6185X to BS 7889 cables are designed for surface wiring where there is little risk of mechanical damage and are suitable for use in electrical installations such as power and lighting.

Cable Construction



Bare copper conductor
Stranding to BS 6360 CL-2 or IEC 60228 CL-2
XLPE GP8 insulation
Inner covering (optional)
PVC sheath Type 9 to BS7655-4.2

Core Identification

1-core: brown or blue;
2-core: brown and blue;
core: brown, black and grey;or green/yellow,brown and blue
core: blue, brown, black and grey; or green/yellow, brown, black and grey
5-core: greenlyellow, blue, brown, black and grey

Technical Characteristics

Working voltage: 600/1000V
Minimum bending radius: OD<25 mm : 4xoverall diameter,
Operating temperature: -15^{0}C to +90^{0}C
Insulation resistance: 10 Mohm / km
Flame retardant: IEC 60332.1

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Cable Parameter

Nominal Cross Sectional Area mm2	Nominal Thickness of Insulation mm	Nominal Thickness of Inner Covering mm	Nominal Thickness of Sheath mm	Nominal Cross Sectional Area mm2	Nominal Thickness of Insulation mm	Nominal Thickness of Inner Covering mm	Nominal Thickness of Sheath mm
6181X				6182X			
1.5	0.7	0.4	1.4	1.5	0.7	0.4	1.8
2.5	0.7	0.4	1.4	2.5	0.7	0.4	1.8
4	0.7	0.4	1.4	4	0.7	0.4	1.8
6	0.7	0.4	1.4	6	0.7	0.4	1.8
10	0.7	0.4	1.4	10	0.7	0.6	1.8
16	0.7	0.4	1.4	16	0.7	0.6	1.8
25	0.9	0.4	1.4	25	0.9	0.8	1.8
35	0.9	0.4	1.4	35	0.9	0.8	1.8
50	1.0	0.6	1.4	50	1.0	1.0	1.8
70	1.1	0.6	1.4	70	1.1	1.0	1.8
95	1.1	0.6	1.5	95	1.1	1.2	1.9
120	1.2	0.8	1.5	120	1.2	1.2	2.0
150	1.4	0.8	1.6	25 *	0.9	0.6	1.8
185	1.6	0.8	1.6	35 *	0.9	0.6	1.8
240	1.7	1.0	1.7	50 *	1.0	0.8	1.8
300	1.8	1.0	1.8	70 *	1.1	0.8	1.8
400	2.0	1.2	1.9	95 *	1.1	1.0	1.9
500	2.2	1.2	2.0	120 *	1.2	1.0	2.0
630	2.4	1.4	2.2	*Shaped stranded conductor			
800	2.6	1.6	2.3				
1000	2.8	1.6	2.4				

Nominal Cross Sectional Area mm2	Nominal Thickness of Insulation mm	Nominal Thickness of Inner Covering mm	Nominal Thickness of Sheath mm	Nominal Cross Sectional Area mm2	Nominal Thickness of Insulation mm	Nominal Thickness of Inner Covering mm	Nominal Thickness of Sheath mm
6183X				**6184X**			
1.5	0.7	0.4	1.8	1.5	0.7	0.4	1.8
2.5	0.7	0.4	1.8	2.5	0.7	0.4	1.8
4	0.7	0.4	1.8	4	0.7	0.4	1.8

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6	0.7	0.4	1.8	6	0.7	0.6	1.8
10	0.7	0.6	1.8	10	0.7	0.6	1.8
16	0.7	0.6	1.8	16	0.7	0.6	1.8
25	0.9	0.8	1.8	25	0.9	0.8	1.8
35	0.9	0.8	1.8	35	0.9	1.0	1.8
50	1.0	1.0	1.8	50	1.0	1.0	1.8
70	1.1	1.2	1.9	70	1.1	1.2	2.0
95	1.1	1.2	2.0	95	1.1	1.2	2.1
120	1.2	1.2	2.1	120	1.2	1.2	2.3
25 *	0.9	0.6	1.8	25 *	0.9	0.8	1.8
35 *	0.9	0.8	1.8	35 *	0.9	0.8	1.8
50 *	1.0	0.8	1.8	50 *	1.0	1.0	1.8
70 *	1.1	1.0	1.9	70 *	1.1	1.2	2.0
95 *	1.1	1.2	2.0	95 *	1.1	1.2	2.1
120 *	1.2	1.2	2.1	120 *	1.2	1.2	2.3
6185X							
1.5	0.7	0.4	1.8	25	0.9	1.0	1.8
2.5	0.7	0.4	1.8	35	0.9	1.0	1.8
4	0.7	0.6	1.8	50	1.0	1.2	1.9
6	0.7	0.6	1.8	70	1.1	1.2	2.1
10	0.7	0.6	1.8	95	1.1	1.4	2.2
16	0.7	0.8	1.8	120	1.2	1.4	2.4

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