Electr Light
Specialist Cable Distributors

ELO-FLEX 105

105 degree **halogen free** multi-conductor cable with coloured cores featuring **40%** more current carrying capability than **70 degree cable**.

EXCLUSIVE TO ELECTROLIGHT LTD

Unit 13 Roman Ind Est,
Tait Rd
Croydon
Surrey
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Tel 0203 302 5459
www.electrolightltd.co.uk

Uses

Lighting control interconnectivity / power circuit lighting cable

Construction

Flexible stranded bare copper conductor (class 5) to CEI 20-29 DIN-VDE 0295.

LSOH special heat resistant halogen free insulation compound type TI6-HD21.14 SI annex A

Colour coded cores as per VDE 0293& HD308 (also as per table attached)

LSOH special heat resistant halogen free sheath – compound type T17-HD21.14 SI annexe B

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TECHNICAL DETAILS

Voltage

Nominal voltage	300/500V
Spark test voltage	3000V

Core colours

2 Core	Brown, Blue
3 Core	Brown, Blue, Green/Yellow
4 Core	Brown, Blue, Green/Yellow , Black
5 Core	Brown, Blue, Green/Yellow, White, Red
6 Core	Brown, Blue, Green/Yellow, White, Red

Working temperature

Occasional flexing	15 degrees to +105 degrees
Fixed installation	40 degrees to +105 degrees

Minimum bending radius

Occasional flexing	15 x outer diameter
Fixed installation	4 x outer diameter

SIZE	STD LSOH Current (amps)	ELO-FLEX 105	CABLE O/D MM	CABLE WEIGHT KG/ KM
3 Core 0.75mm	6	8.4	5.5	67
3 Core 1mm	10	14	6	76
3 Core 1.5mm	16	22.4	6.7	95
4 Core 1mm	8	11.2	6.6	93
4 Core 1.5mm	12.8	18	7.4	117
5 Core 1mm	8	11.2	7.3	120
5 Core 1.5mm	12.8	18	8.2	156
6 Core 0.75mm	4.8	6.72	7.6	123
6 Core 1mm	8	11.2	8	142
6 Core 1.5mm	12.8	18	9.1	185
6 Core 2.5mm	20	28	10.1	285

Applicable standards

Flame retardant according to IEC60332-1-2 (flame spread on a single cable) BS EN50525-3-11
No flame propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (flame spread on a vertical wire bundle)
Halogen free according to IEC60754-1 (Amount of halogen gas)
Corrosiveness of combustion gases according to IEC 60754-2
Low smoke density according to IEC 61034
Cable conforms to low voltage directive (LVD) 2006/95/EC CE

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