

# ELO-FLEX 90

90 degree halogen free flexible multi conductor cable available as CPR classification Eca – Dca – Cca



**ELECTROLIGHT LTD**

Unit 13 Roman Ind Est,  
Tait Rd  
Croydon

Surrey  
CR0 2DT

Tel 0203 302 5459

sales@electrolightltd.co.uk  
www.electrolightltd.co.uk



## Uses

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 T16-HD21.14 SI annex A

Number 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

# ELO-FLEX 90

## TECHNICAL DETAILS

### Voltage

Nominal voltage 300/500V  
Spark test voltage 3000V

### Core colours

2 Core Black numbered cores  
3 Core 1 Green/Yellow & all others numbered  
4 Core 1 Green/Yellow & all others numbered  
5 Core 1 Green/Yellow & all others numbered  
6 Core 1 Green/Yellow & all others numbered

### Working temperature

Occasional flexing -15 degrees to +90 degrees  
Fixed installation -25 degrees to +90 degrees

### Minimum bending radius

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

SIZE	STD LSOH Current (amps)	CABLE O/D MM	CABLE WEIGHT KG/KM
3 Core 0.75mm	6	6.3	67
3 Core 1mm	10	6.9	76
3 Core 1.5mm	16	7.5	95
4 Core 1mm	8	7.8	93
4 Core 1.5mm	12.8	9	117
5 Core 1mm	8	8.2	120
5 Core 1.5mm	12.8	9.6	156
6 Core 0.75mm	4.8	8.3	123
6 Core 1mm	8	9	142
6 Core 1.5mm	12.8	9.9	185
6 Core 2.5mm	20	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