

## Aerial Cable Figure 8 (2-60 Fibres)

### Description

Optronic figure of 8 aerial cable, for spans up to 70m, consists of 250µm optical fibres in gel filled loose tubes with interstitial gel. Water barrier aluminium tape or steel tape armouring options are available. Tensile strength is provided by a steel messenger wire. The cable jacket is black high density polyethylene (HDPE).

### Features/Benefits

- ▶ Up to 144 fibres with single or multimode options available
- ▶ The loose tube stranding technology make the fibres have good secondary excess length and allow the fibres free movement in the tube, which keeps
- ▶ the fibre stress free while the cable is subjected to longitudinal stress
- ▶ Aluminium moisture barrier tape and corrugated steel tape options
- ▶ Stranded wires as self supporting member providing excellent strain performance and convenient installation

### Applications

- ▶ The figure of 8 cables are suitable for installation in aerial environments
- ▶ Long haul communication

### Technical Specifications

DESCRIPTION		2-30	32-36	38-60	2-30	32-36	38-60	2-30	32-36	38-60	2-30	32-36	38-60
Stranded Wire		1x7-3.0	1x7-3.0	1x7-3.0	1.2x7-3.6	1.2x7-3.6	1.2x7-3.6	1.4x7-4.2	1.4x7-4.2	1.4x7-4.2	2.0x7-6.0	2.0x7-6.0	2.0x7-6.0
Cable Diameter	mm	10.1	10.8	11.6	10.1	10.8	11.6	10.1	10.8	11.6	10.1	10.8	11.6
Messenger Cable Diameter	mm	5.2	5.2	5.2	5.8	5.8	5.8	6.4	6.4	6.4	8.2	8.2	8.2
Cable Height	mm	18.3	19.0	19.9	18.9	19.6	20.5	19.5	20.2	21.1	21.3	22	22.9
Cable Weight	kg/km	127	147	152	130	150	155	132	152	158	140	160	165
Min. Bend Radius	Dynamic	10 times cable diameter											
	Static	20 times cable diameter											
Max. Running Tension	N	4950	4950	4950	7100	7100	7100	9700	9700	9700	19700	19700	19700
Safe Running Tension	N	2500	2500	2500	3500	3500	3500	4800	4800	4800	9800	9800	9800
Min. Breaking Tension	N	7990	7990	7990	10710	10710	10710	14580	14580	14580	27720	27720	27720
Max Crush Loading (N/100mm)	Short Term	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	Long Term	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Ordering information available upon request.

