

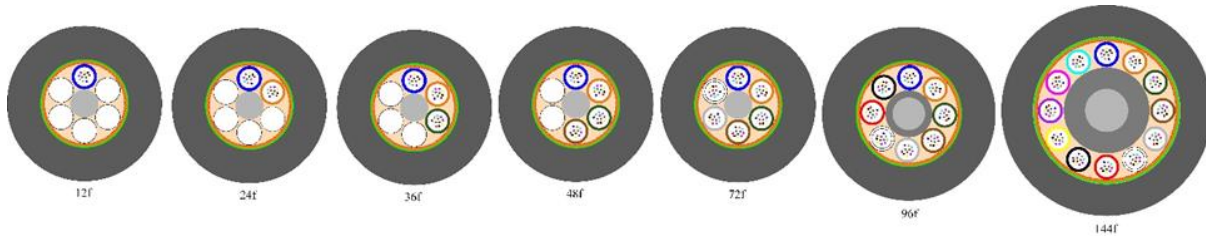
Cable Proposal CP2597

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12-144f DB Cables



Application

This optical fibre cable range is all dielectric and designed for installation into duct by pulling, directly onto cable trays or direct burial into suitably prepared ground.

Features and Benefits

Outer Sheath:	High density polyethylene, UV Stable
Inner sheath:	High density polyethylene, UV Stable
Water blocking:	Gel-filled loose tube, water blocking yarn and tape
Strain relief:	FRP central strength member
Stripping:	Ripcord provided for quick and easy sheath removal
Fibre counts:	12f to 144f
Fibre types Available:	Single mode to G652D, G657A1, G657A2 (ITU-T) Multimode 62.5/125 OM1 (ISO 11801) Multimode 50/125 OM2, OM3, OM4 (ISO 11801)
Fibre Attenuation (20°C):	Single Mode - 0.35 dB/km max at 1310nm and 1383 nm Single Mode - 0.21 dB/km max at 1550 nm Single Mode - 0.23 dB/km max at 1625 nm
Temperatures	Storage, and installation -15°C to 50°C Operating -40°C to 70°C

		12f	24f	36f	48f	72f	96f	144f
Max fibres								
Number of tubes		6	6	6	6	6	8	12
Tube OD/ID Ø	mm	2.1/1.6	2.1/1.6	2.1/1.6	2.1/1.6	2.1/1.6	2.1/1.6	2.1/1.6
Number of dummy tubes		5	4	3	2	-	-	-
Central strength member Ø	mm	2.3	2.3	2.3	2.3	2.3	2.6/3.7	3/6.9
Cable mass	kg/km	115	116	116	116	117	144	213
Sheath thickness	mm	1.1+1.6	1.1+1.6	1.1+1.6	1.1+1.6	1.1+1.6	1.1+1.6	1.1+1.6
Cable outer Ø	mm	12.5	12.5	12.5	12.5	12.5	13.9	17
Bending radius min (Installation)	mm	19 x Ø	19 x Ø	19 x Ø	19 x Ø	19 x Ø	20 x Ø	20 x Ø
Bending radius min (Service)	mm	10 x Ø	10 x Ø	10 x Ø	10 x Ø	10 x Ø	10 x Ø	10 x Ø
Max load (fibre strain 0.4% max)*	kN	3.5	3.5	3.5	3.5	3.5	4.2	6.0

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FIBRE IDENTIFICATION

Colouring to EIA 598, blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, aqua

SHEATH MARKING

Typically Marked every 1m with

Fibre Count, Fibre Type –Emtelle – Product Code – Batch ID – Meter Mark

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