

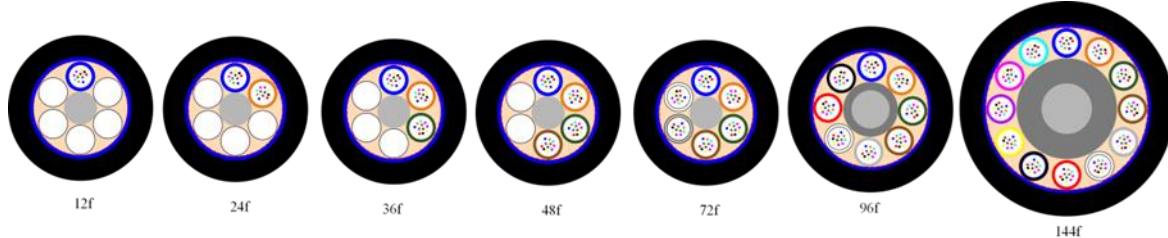
# Cable Proposal CP2596

Issue D: 01/10/2020

Page 1 of 1



## 12-144f DI Cable



### Application

This optical fibre cable range is all dielectric and designed for installation into a duct by blowing or pulling.

### Features and Benefits

Sheath:	Medium 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, installation and operating -10°C to 50°C

	-	12f	24f	36f	48f	72f	96f	144f
Max Fibres	-	12f	24f	36f	48f	72f	96f	144f
Number of tubes	-	6	6	6	6	6	8	12
Tube OD/ID $\phi$	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 $\phi$	mm	2.3	2.3	2.3	2.3	2.3	2.6/3.7	3/6.9
Cable Mass	kg/km	86	87	87	88	88	112	174
Sheath Thickness	mm	2	2	2	2	2	2	2
Cable Outer $\phi$	mm	10.9	10.9	10.9	10.9	10.9	12.4	15.5
Bending Radius (Installation)	-	20 x $\phi$	20 x $\phi$	20 x $\phi$	20 x $\phi$	20 x $\phi$	20 x $\phi$	20 x $\phi$
Bending Radius (Service)	-	10 x $\phi$	10 x $\phi$	10 x $\phi$	10 x $\phi$	10 x $\phi$	10 x $\phi$	10 x $\phi$
Max Load (fibre strain 0.4% max)	kN	2.25	2.25	2.25	2.25	2.25	2.75	4.0

### 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

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emtelle can take no responsibility for actions taken based on the information contained in this document. Emtelle reserves the right to make changes to this document without notice. All sales of product are subject to Emtelle's terms and conditions of sale only, which can be found on Emtelle's website.  
This document is protected by copyright (c) Emtelle Group [2020]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emtelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers.