

OFS ECO Micro Cable G.652.D

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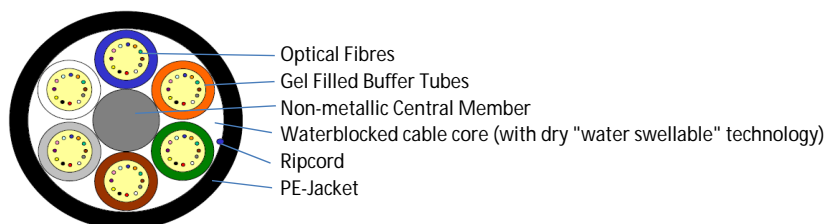


Description	Up to 12 colour coded optical fibres are placed into each water-blocked buffer tube which are also colour coded for easy identification. The buffer tubes are then stranded around a dielectric central member using the reverse oscillating lay (ROL) stranding technique. Dry waterblocking material is applied to the cable core then to complete the construction, a ripcord is placed beneath a durable, outer polyethylene (PE) jacket.
Application	Outdoor all dielectric cable used in microduct installation (HD-PE Tubes) and installed by cable blowing. The dry core design (using dry "water swellable" technology) allows for quicker, cleaner cable preparation for jointing and small tubes give a reduced outer diameter.

Constructive Features

Construction Features									
Fibre Types	Available with G. 652.D Singlemode fibre								
Elements	6					8		12	
Fibre per tube	12								
Fibre Count	12	24	36	48	60	72	96	144	
Core Design	6	6	6	6	6	6	8	12	
	*(5 Fillers)	*(4 Fillers)	*(3 Fillers)	*(2 Fillers)	*(1 Filler)				
Outer Diameter (mm)	6.3					7.6		9.6	
Cable Weight (kg/km)	35					55		85	

* Fillers are natural in colour and are evenly distributed over the positions



72F version illustrated

Sheath Marking

OFS ECO MICRO OPTICAL CABLE [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Identification (Tube and Fibre Colour Code)

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Rose	12	Aqua

Performance

		6 elements	8 elements	12 elements
Cabled Fibre Attenuation		$\leq 0.36\text{dB/km @ }1310\text{ nm}$ and $\leq 0.22\text{dB/km @ }1550\text{ nm}$		
Tensile Performance	Long Term Load	200 N	200 N	600 N
	Short Term Load, during installation	700 N	1100 N	1700 N
Crush Performance	Long Term Load	300 N	300 N	500 N
	Short Term Load	1000 N	1000 N	1500 N
Bending Performance	Bending Radius - fixed/installed	75 mm	150 mm	160 mm
	Bend Radius - during installation	150 mm	300 mm	250 mm
Temperature Performance	Operation	-30 to +70°C	-30 to +70°C	-30 to +70°C
	Installation	-15 to +40°C	-15 to +40°C	-15 to +40°C
	Storage/Shipping	-40 to +70°C	-40 to +70°C	-40 to +70°C
Standard Supply Lengths (m)		4000, 6000		

Tests according to IEC 60794-1-2