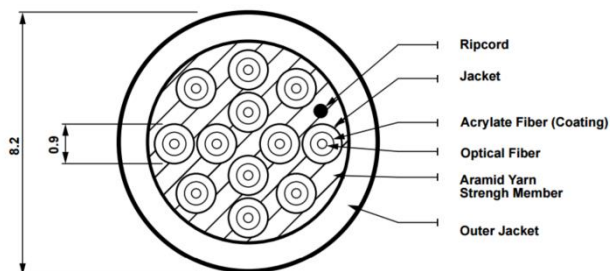


## Rugged MTP Cross Site Cable



### Features & Benefits

- Rugged, cut-proof and rodent-resistant cable construction
- Rugged metal connector with Push-Pull locking mechanism
- MTP connector providing direct connection to Sentinel 3 - Rx6
- Supports up to 6 Sentinel3 transmitters (via Breakout box)
- Integral shutter reduces dust ingress and improves reliability
- Dust and water resistant to IP65 when connectors are mated.

### Technical Data

Number of Fibres	12		
Fiber Type	Single-mode		
Fiber standard	OM3 G.657A		
Core Diameter	9 μm		
Cladding Diameter	124.8 μm		
Primary Coating Diameter	280 μm		
Secondary Buffer Diameter	900 μm		
Proof Test Level	100 kpsi		
Wavelength	1310 nm	1550 nm	1625 nm
Attenuation	0.35 dB/km	0.21 dB/km	0.24 dB/km
Cable Surface	Black Matt		
Jacket material	Polyurethane		
Cable Weight	103 kg/km		
Cable Diameter	8.2 mm		

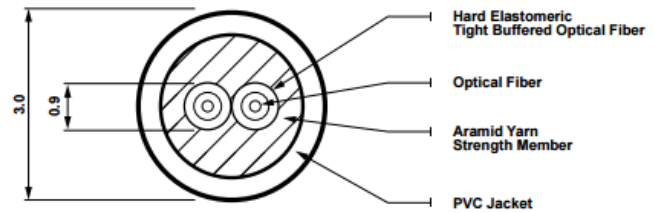
### Installation:

Max. Tensile Load	1030 N
Min. Bend Radius	8.2 cm

### Operation:

Max. Tensile Load	1030 N
Min. Bend Radius	8.2 cm
Crush Resistance	30 N/cm
Operation Temperature	-40°C to +85°C
Storage Temperature	-55°C to +85°C
Bend optimized	Yes
Laser optimized	No

## Lightweight Duplex Cable



### Features & Benefits

- Ruggedized duplex lightweight cable
- Lower cost fiber cable and connector
- Waterproof to IP65 when connectors are mated.
- Lightweight plastic housing
- Reliable Push-Pull locking mechanism
- Easy to clean, no special tools required

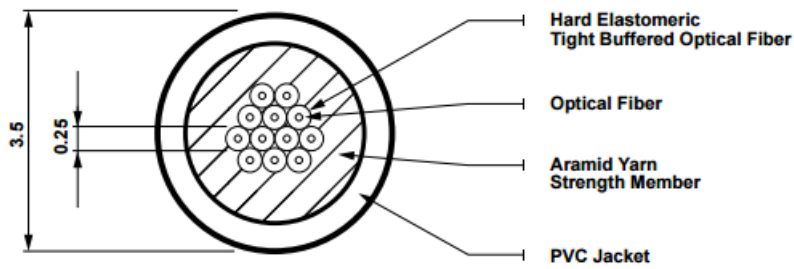
Lightweight cable: for use where a tighter bend performance is required and where a sealing shutter is not required. This cable can be used directly with the Sentinel 3 Rx1 receiver module and on the outputs of the Sentinel 3 breakout boxes.

### Technical Data

Number of Fibers	2		
Fiber Type	Single-mode		
Fiber standard	G.657A		
Core Diameter	9 $\mu\text{m}$		
Cladding Diameter	125 $\mu\text{m}$		
Primary Coating Diameter	245 $\mu\text{m}$		
Secondary Buffer Diameter	900 $\mu\text{m}$		
Proof Test Level	100 kpsi		
Wavelength	1310 nm	1550 nm	1625 nm
Attenuation	0.36 dB/km	0.22 dB/km	0.23 db/km
Cable Surface	V-jacket (Black)		
Jacket material	Polyvinylchloride		
Cable Weight	9 kg/km		

Cable Diameter	3 mm
<b>Installation:</b>	
Max. Tensile Load	400 N
Min. Bend Radius	30 mm
<b>Operation:</b>	
Max. Tensile Load	400 N
Min. Bend Radius	45 mm
Crush Resistance	500 N/cm
Operation Temperature	-40°C to +85°C
Storage Temperature	-20°C to +70°C
Bend optimized	Yes
Laser optimized	No
Duplex patch lead	





**Technical Data**

Number of Fibers	12		
Fiber Type	Single-mode		
Fiber standard	G.657A		
Core Diameter	9 μm		
Cladding Diameter	125 μm		
Primary Coating Diameter	245 μm		
Secondary Buffer Diameter	900 μm		
Proof Test Level	100 kpsi		
Wavelength	1310 nm	1550 nm	1625 nm
Attenuation	0.36 dB/km	0.22 dB/km	0.23 dB/km
Nominal Dispersion Slope - -	0.092 ps/(nm <sup>2</sup> -km)		
Refraction index	1.479	1.467	1.468
Cable Surface	Black Matt		
Jacket material	Polyvinylchloride		
Cable Weight	12.6 kg/km		
Cable Diameter	3.5 mm		
Installation:			
Max. Tensile Load	400 N		
Min. Bend Radius	35 mm		
Operation:			
Max. Tensile Load	400 N		
Min. Bend Radius	45 mm		
Crush Resistance	500 N/cm		
Operation Temperature	-40°C to +85°C		
Storage Temperature -	-20°C to +70°C		
Bend optimized	Yes		
Laser optimized	No		