

# Duplex Fibre 2,2 DATALIGHT®



**product description:**

The Duplex Fibre 2.2 DATALIGHT is a polymer optical fibre with PVC outer jacket of grey color. The material is flame-retardant.

This cable is used as a connection for data networks, Internet, IP-TV, IP telephony (VoIP) and others. It fulfills all aspects of a structured wiring. The advantages are the rapid installation through the simple plug-in connection as well as immunity to electromagnetic fields which allows the installation next to power lines. In addition, a small bending radius is possible.



Art-No.:	Type	Bend radius ≥ mm	Outside Ø mm single wire	Outside Ø mm Pair	Content	PU	PU/kg
257 80 102	2.2	25	2.2	4.4	100 / 328	m / ft	1.1

Polymer Optical Fibre characteristics	
Class (regarding IEC 60793-2)	A4.a2
Operating temperature	-40 °C to +85 °C (-40°F to 185°F)
Storage temperature	-40 °C to +85 °C (-40°F to 185°F)
Tensile strength	≥140 N
Core material	PMMA
Jacket material	polyvinylchloride, gray
Core refractive index	1.49
Refractive index	step index
Numerical aperture	0.5
Core diameter	1000 µm
Jacket diameter	2.2 mm

Optical characteristics	
Attenuation	0,17 dB/m
Wavelength	650 nm typ.

Accessories		
Medium duty corrugated plastic conduit	FFKuS DATALIGHT®	257 10 025
Connector	Connector 2.2	257 50 002
Auxiliary tool	Cutter	257 90 001
Switch	Switch 6+2-Port 100 DATALIGHT®	257 30 126
Network access socket	LAN Access Point 2-Port 100 DATALIGHT®	257 20 121
Network access socket	WLAN Access Point 100 DATALIGHT®	257 21 111

**Hotline**  
 Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time.  
 If you generously install a system of unused conduits today, you can easily expand your electrical installations later.  
 You save lots of time, money and effort!

**We are happy to help you with any technical questions.**  
**Prompt information can be obtained from our technical consultants at +49 9525 88-8123.**

