

### PRODUCT HIGHLIGHTS

- RoHS 3 compliant
- Made in U.S.A.
- Extending PoE and Limited Power SELV data transmission beyond 100 meters.
- Provides immunity from electro magnetic and radio frequency interference.
- Choice of separate power conductors heat generation and length derating calculations as required by TIA 568 and NEC.
- Plenum and outdoor rating permits
- Dry, super absorbent polymers (SAPs)
- Suitable for lashed aerial, duct
- All multimode and singlemode cables (except OM1) utilize bend-insensitive optical fibers.

### OPTIONS

- Available with 2, 6 or 12 strands of fiber.
- Available with 1 pair of 12, 14, 16, 18, or 20 AWG stranded conductors.

### APPLICATIONS

- High noise areas and extended distance.
- Security CCTV Cameras.
- Wireless Access Points.
- Distributed Antenna Systems (DAS).

### STANDARDS

- NEC CL2P-OF, CL3P-OF and CMP-OF rating, compliant with
- Class 2 SELV (Safety Extra Low Voltage).
- NFPA 262.
- ANSI/TIA-568.3-D

### TEMPERATURE RANGE

- **Storage Temperature**  
-40°C to +70°C  
(-40°F to +158°F)
- **Installation Temperature**  
0°C to +60°C  
(+32°F to +140°F)
- **Operation Temperature**  
-40°C to +70°C  
(-40°F to +158°F)

#### Power+ FO Cable Part Numbers 20 AWG

Fibers	Cable O.D. inches / mm	50 µm OM4	8.3 µm OS2
2	0.22" / 6.2mm	42368-4	42367-4
6	0.33" / 8.4mm	42368-8	42367-8
12	0.41" / 10.5mm	43268-14	42367-14

#### Power+ FO Cable Part Numbers 18 AWG

Fibers	Cable O.D. mm inches / mm	50 µm OM4	8.3 µm OS2
2	0.27" / 6.8mm	42370-4	42369-4
6	0.33" / 8.4mm	42370-8	42369-8
12	0.40" / 10.2mm	42370-14	42369-14

#### Power+ FO Cable Part Numbers 16 AWG

Fibers	Cable O.D. mm inches / mm	50 µm OM4	8.3 µm OS2
2	0.28" / 7.1mm	42372-4	42371-4
6	0.33" / 8.4mm	42372-8	42371-8
12	0.41" / 10.5mm	42372-14	42371-14

#### Power+ FO Cable Part Numbers 14 AWG

Fibers	Cable O.D. mm inches / mm	50 µm OM4	8.3 µm OS2
2	0.29" / 7.4mm	42378-4	42373-4
6	0.36" / 9.2mm	42378-8	42373-8
12	0.43" / 10.8mm	42378-14	42373-14

#### Power+ FO Cable Part Numbers 12 AWG

Fibers	Cable O.D. mm inches / mm	50 µm OM4	8.3 µm OS2
2	0.30" / 7.7mm	42379-4	42376-4
6	0.40" / 10.1mm	42379-8	42376-8
12	0.44" / 11.3mm	42379-14	42376-14

Standard Jacket Color



Proterial Cable America, Inc. is continuously improving the performance of our products and the accuracy of the information provided. Due to this, we reserve the right to modify, revise, correct, or change products without notice. Thank you for your understanding.

Safety Extra Low Voltage (SELV) 48Vdc PSE / 43Vdc PD

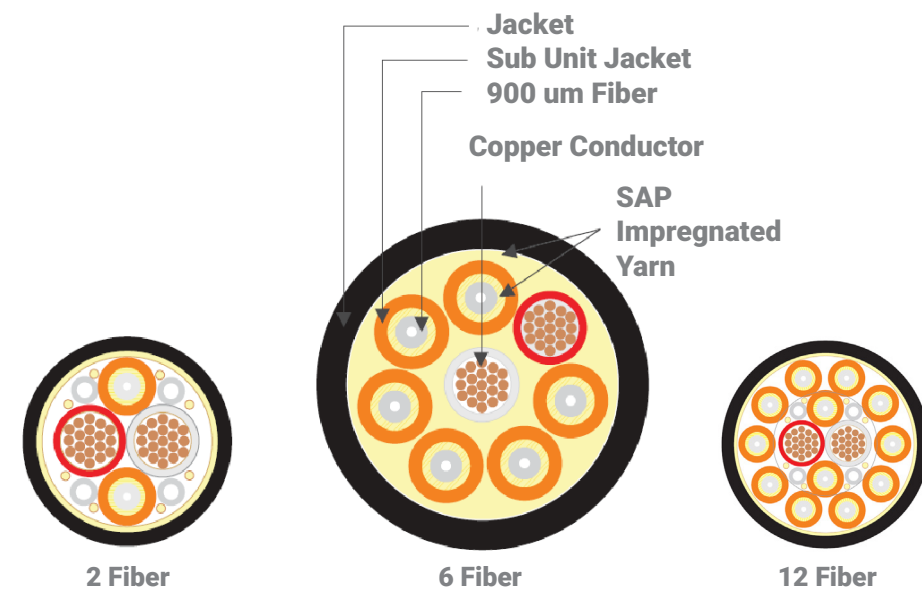
AWG	Powered Device at Load (Watts)				
	6.49W	12.95W	25.5W	51W	71W
Remote Power Distance (feet)					
20	1,574	789	401	200	144
18	2,500	1,253	636	318	229
16	3,974	1,992	1,011	506	363
14	6,339	3,177	1,683	807	579
12	10,047	5,035	2,557	1,279	918

Safety Extra Low Voltage (SELV) 56Vdc PSE / 48Vdc PD

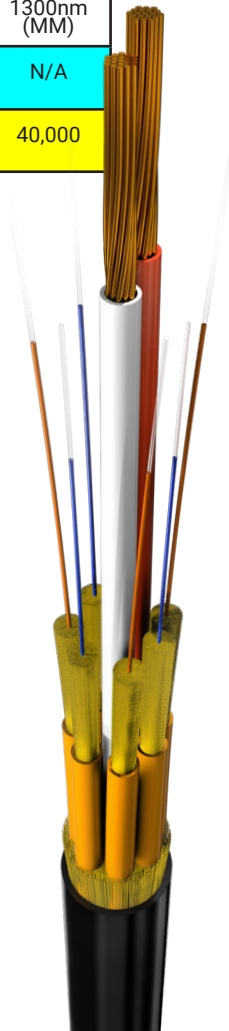
AWG	Powered Device at Load (Watts)				
	6.49W	12.95W	25.5W	51W	71W
Remote Power Distance (feet)					
20	2,915	1,461	742	371	266
18	4,630	2,320	7,178	589	423
16	7,359	3,688	1,873	936	673
14	11,740	5,883	2,988	1,498	1,073
12	18,606	9,325	4,735	2,368	1,701

TIA/EIA-568-D.3 | ISO/ IEC 11801, 2nd edition | Telcordia GR-409-CORE

Fiber Type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance (m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40,000



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Power+ Composite™

