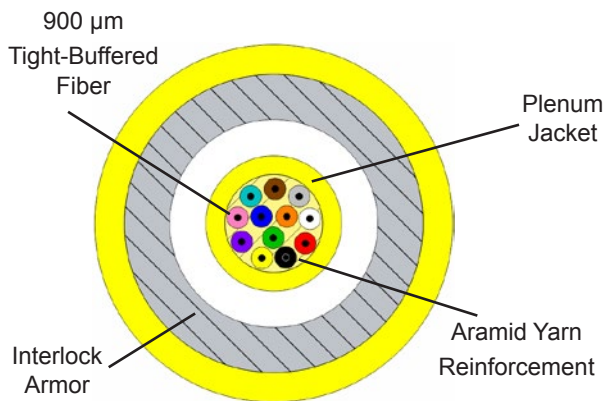


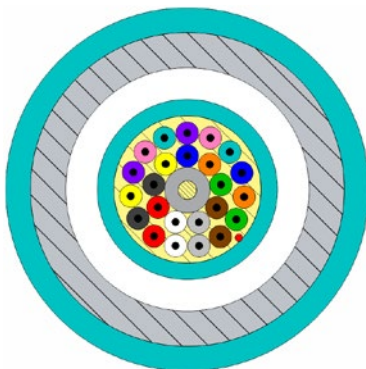
## Distribution Armored Indoor/Outdoor (I/O) Plenum-Rated Optical Cables

### APPLICATION

Leviton's armored plenum rated Indoor/Outdoor tight-buffer cables are designed for LAN/WAN campus and building backbone infrastructure. These plenum jacketed cables are suitable for indoor and outdoor installations in conduit, below the frost line. The cables are designed for operation across wide temperature variations typically addressed by outside plant cables -40C to 75C. The 900µm tight buffered fibers do not require buffer tube fanout kits and are ready for direct termination. The fiber types available (OM3, OM4 and OS2) can support Ethernet, Fibre Channel and PON applications.



12-Fiber OS2 Armor



24-Fiber OM4 Armor

### DESIGN CONSIDERATIONS

- Armor type: Aluminum Interlock
- Fungus resistant jacket
- Sunlight resistant per UL 444 clause 7.22
- For use in conduit below frost line
- Tight buffer cables not suitable for aerial lashed installations
- Fiber counts: 6, 12 and 24
- Fiber types: OM3, OM4 and OS2 (G.652.D and G.657.A1)

### STANDARDS & REGULATIONS

- International EN 50173; ISO/IEC 11801
- National ANSI/ICEA S-104-696; ANSI/ICEA S-83-596; ANSI/TIA-568.3-D; NFPA 130; Telcordia GR-409

### FIRE RATING

Plenum OFCP

### WARRANTY INFORMATION

For Leviton product warranties, go to [leviton.com/warranty](http://leviton.com/warranty)

### PHYSICAL PROPERTIES

Installation tensile strength	6 fibers	445 N / 100 lbs
	12 fibers	445 N / 100 lbs
	24 fibers	667 N / 150 lbs
Long-term tensile strength	6 fibers	133 N / 30 lbs
	12 fibers	133 N / 30 lbs
	24 fibers	200 N / 45 lbs
Compressive strength (Crush)	6 fibers	440 N/cm
	12 fibers	440 N/cm
	24 fibers	440 N/cm
Impact	2 at 4.41 N-m	

### CONSTRUCTION

Fiber	6, 12 and 24 tight-buffered fibers, 900 µm
Jacket	Plenum
Color	OM3 & OM4: Aqua; OS2: Yellow

### MECHANICAL PROPERTIES

Fiber count	Nominal diameter	Nominal cable weight	Minimum bending radius Long-term/short-term
6	12.6 mm / 0.495 in	116 kg/km	12.6 cm / 18.9 cm
12	13.3 mm / 0.523 in	129 kg/km	13.3 cm / 19.9 cm
24	14.8 mm / 0.584 in	183 kg/km	14.8 cm / 22.3 cm

**PRODUCT SPECIFICATIONS**  
**DAM3P-xx1, DAM4P-xx1, DA08P-xx1**



DAM3P-xx1, DAM4P-xx1, DA08P-xx1

**TRANSMISSION CHARACTERISTICS**

50/125 µm	OM3 Multimode	OM4 Multimode
<b>Attenuation (of cable with fibers)</b>		
Maximum value of cable at 850 nm	≤ 3.0 dB/km	≤ 3.0 dB/km
Maximum value of cable at 1300 nm	≤ 1.0 dB/km	≤ 1.0 dB/km
Numerical Aperture	0.200 ± 0.015	0.200 ± 0.015
<b>Bandwidth</b>		
Effective Modal BW value at 850 nm	2000 MHzkm	4700 MHzkm
OFL value at 850 nm	1500 MHzkm	3500 MHzkm
OFL value at 1300 nm	500 MHzkm	500 MHzkm
1 GbE Transmission Distance (meters) 850/1300 nm	1000/600	1040/600
10 GbE Transmission Distance (meters) 850/1300 nm	300/300	550/300
9.2/125 µm	OS2 Single-mode (G.652.D and G.657.A1)	
<b>Attenuation (of cable with fibers)</b>		
1310 nm - 1625 nm	≤ 0.5 dB/km	
1550 nm	≤ 0.5 dB/km	
Numerical Aperture	0.14	
<b>Transmission Distance</b>		
1 GbE Distance (meters)	>5,000 @1310 nm	
10 GbE Distance (meters)	>10,000 @1310 nm	

**PART NUMBERS**

Description	Part No.
OM3 Premise Armored Distribution I/O Plenum, 1km spool of cable	DAM3P-xx1
OM4 Premise Armored Distribution I/O Plenum, 1km spool of cable	DAM4P-xx1
OS2 Premise Armored Distribution I/O Plenum, 1km spool of cable	DA08P-xx1

xx = fiber count: (06) 6 fibers, (12) 12 fibers, (24) 24 fibers.  
 Note: All packaging is 1,000 meter drum reel.

For further support information, visit [leviton.com/ns/support](http://leviton.com/ns/support)

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Leviton is dedicated to designing, developing and manufacturing sustainable high-performance structured cabling and speciality cabling solutions. Network Solutions products are available worldwide in over 100 countries. Visit us online to learn more.