



Structured Cable Products®

Quality Installations Deserve Quality Products

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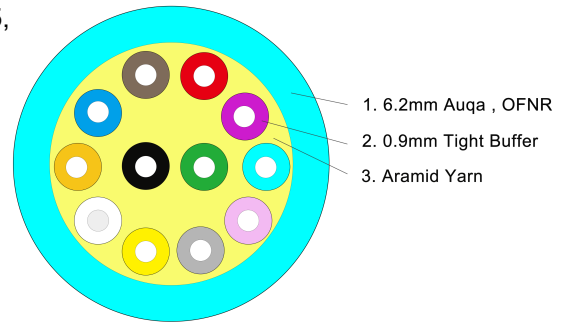
SCP PART#: EF-OM3R-12DIST-AQ500

Description:

12 Strand OM3 Plenum SCP-EasyFiber® w/Corning® ClearCurve® -
12 Strand Tight Buffered Distribution, 100G Multimode OM3 50/125,
UL Plenum OFNP, Indoor/Outdoor UV Sun Res Aqua Jacket,
500ft/152m Reel In Box

Regulatory:

UL Plenum OFNP
EU RoHS 2011/65 EU Compliant
IEC 60791-2-10 Type A1 -
7.5mm Macrobend Radius OM3



Cable Technical Parameters (Meet IEC 60794-2):

Fiber	Count	12
	Type	Corning Clear Curve ® OM3
Cable	OD(mm)	6.2±0.5
	Wall Thickness	0.9±0.1
	Material	UL PVC - OFNR
	Color	AQUA
Buffer	OD(um)	900±50 um
	Material	PVC-OFNR
	Color	Blue/Orange/Green/Brown/White/yellow Gray/Red/Black/Purple/Pink/Aqua
Nominal weight(kg/km)		44
Max.tensile Strength(N)	Short-term	400
	Long-term	130
Min.Bending Radius(mm)	Dynamic	20D
	Static	10D
Max.Crush Resistance(N/100mm)	Short-term	300N/100mm
	Long-term	1000N/100mm
Cable attenuation	850nm	≤3.5dB/km
	1300nm	≤1.5dB/km
Strength Members		Aramid yarn
Environmental Protection		RoHS COMPLIANT
	Storage or transportation	-20~70℃
	Operation	-20~60℃
	Installation	-20~60℃

Optical Characteristics:

Corning Clear Curve® OM3 Multimode fiber

Characteristics	Conditions	Specified Values	Units
Geometrical characteristics			
Core diameter		50±2.5	um
Core non-circularity		≤5	%
Cladding diameter		125.0±1.0	um
Cladding non-circularity		≤1.5	%
Coating diameter		242±5	um
Coating/cladding concentricity error		<12	um
Core/cladding concentricity error		≤1.0	um
Optical characteristics			
Attenuation	850nm	2.3	dB/km
	1300nm	0.6	dB/km
Overfilled modal bandwidth	850nm	1500	MHz*km
	1300nm	500	MHz*km
Effective modal bandwidth@850nm		2000	MHz*km
Application support distance on			
10 gigabit ethernet S 850nm		300	m
1 gigabit ethernet SX 850nm		1000	m
40 & 100 gigabit ethernet S 850nm		140	m
Numerical Aperture		0.2±0.015	
Group index of refraction	850nm	1.482	
	1300nm	1.477	
Zero dispersion wavelength		1295~1315	
Zero dispersion slope	1295nm≤λ0≤1315nm	≤0.101	ps/(nm²*km)
Macro bending induced loss	850nm	≤0.05	dB
100 Turns @37.5mm Radius	1300nm	≤0.15	dB
2 turns @15mm Radius	850nm	≤0.1	dB
	1300nm	≤0.3	dB
2 turns @7.5mm Radius	850nm	≤0.2	dB
	1300nm	≤0.5	dB
Environmental characteristics	850nm&1300nm		
Temperature cycling	-60℃ to +85℃	≤0.10	dB/km
Temperature-humidity cycling	-10℃ to +85℃	≤0.10	dB/km
Water immersion	23℃, 30 days	≤0.20	dB/km

Cable Sheath Marking:

STRUCTURED CABLE PRODUCTS --- EF-OM3R-12DIST --- 12 Strand OM3 Ultra Bendable
 SCP-EASYFIBER™ w/ Corning® Clearcurve® UL E329066 OM3 50/125 Distribution OFNR RoHS
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