

SCP PART#: EF-OM3P-6DIST-BK-500

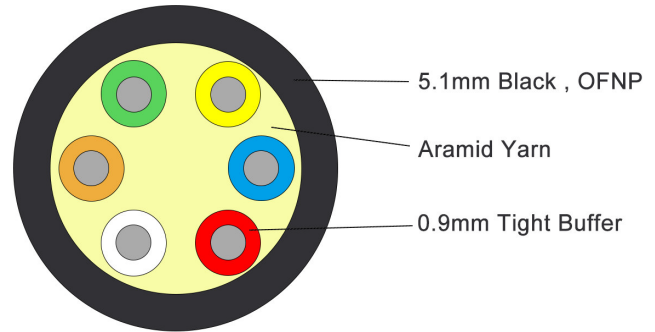
Description:

6 Strand OM3 Plenum Bend Insensitive SCP-EasyFiber™
 w/Corning® ClearCurve® - 6 Strand Tight Buffered Distribution,
 Indoor/Outdoor UV Sun Res Black Jacket,
 500ft/152.5m Reel in Box

SCP-EasyFiber™

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	6
	Type	Corning Clear Curve ® OM3
Cable	OD(mm)	5.1±0.5
	Wall Thickness	0.9±0.1
	Material	UL PVC - OFNP
	Color	Black – Pantone RAL9004
Buffer	OD(mm)	900±50 um
	Material	PVC-OFNR
	Color	Red/Orange/Green/Blue/White/yellow
Nominal weight(kg/km)		32
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
Temperature range	Storage or transportation	-20~70°C
	Operation	-20~60°C
	Installation	-20~60°C

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°C to +85°C	≤0.10	dB/km
Temperature-humidity cycling	-10°C to +85°C	≤0.10	dB/km
Water immersion	23°C, 30 days	≤0.20	dB/km

Cable Jacket Marking :

STRUCTURED CABLE PRODUCTS --- EF-OM3P-6DIST-BK --- SCP-EASYFIBER™
UL E518532 OM3 50/125 DISTRIBUTION 6 STRAND OFNP CORNING® CLEARCURVE® ****FT
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