

LL-PTDX-SC8SC8-sm657A2/DCA

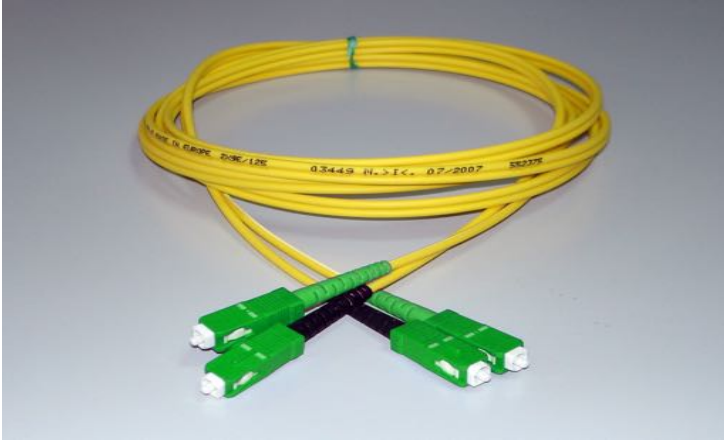
— Patchcord duplex SC/APC8°-SC/APC8°, singlemode, LSOH —

Connectors: SC – plastic body, ceramic ferrule (ZrO₂) 8° angle-polished

Cable: Zipcord – 9/125 G.657.A2, LSOH sheath - CPR Classification to reaction to fire: Dca

STANDARD COMPLIANCE

All components of/and the final product are designed and tested to conform the requirements ISO/IEC 11801, EN 50173, EIA/TIA 568, IEC 61754-4, IEC 60874-14, JIS C5973 F04 IEC, ANSI/ICEA-596, EN188000, IEC 60793, IEC 60794, EIA/TIA IEC 60331, IEC 60332, Euroclass Dca, ITU-T G.657.A2, Bellcore/Telcordia GR-409-CORE. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC.



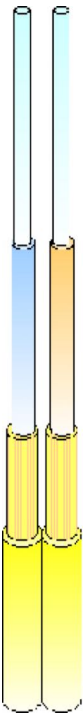
PERFORMANCE

Attenuation	: ≤0.30 dB
Return loss	: ≥60 dB
Temperature range	: -5° C to 60° C
Color of sheath	: yellow (other colors on request)
Fiber	: semi-tight buffer (right buffered on request)
Color of boot	: black or white & green (other colors on request)
Packaging	: 1 pc./unit (other packaging on request)

TECHNICAL PERFORMANCE



SC/APC	TYPE	SC/APC
ZrO ₂ (Zirconia / Ceramic)	MATERIAL OF FERRULE	ZrO ₂ (Zirconia / Ceramic)
8° angle-polished	CONNECTOR SURFACE	8° angle-polished
glue	CONNECTION OF FIBER	glue
plastic compound, green	MATERIAL OF BODY	plastic compound, green
push-pull	CONNECTION AT ADAPTER	push-pull
≤1000	MATING CYCLES	≤1000
125µm	FERRULE DRILLING	125µm



- OPTICAL FIBER
2E9/125 µm
- CLADDING
diameter: 125 ± 0.5µm
- PRIMARY COATING
color: natural
diameter: 245 ± 5.0µm
- SECONDARY COATING
color: yellow, white
diameter: 900µm
semi-tight buffered version
- STRENGTH MEMBERS
aramid yarns
- OUTER SHEATH
color: yellow
dimension: 2.8 x 5.7mm
LSOH compound

MECHANICAL PERFORMANCE FIBER

Weight	: 8.0kg/km
Temperature range	: inst.: -5°C to 50°C / oper.: 20°C to 60°C
Bending radius	: 20 x OD
Tensile strength	: 200N (during installation)
Crush resistance	: 1000N/dm
Fire load	: 0.2MJ/m

OPTICAL PERFORMANCE FIBER (acc. to ITU-T G.657.A2)

Item	Unit	Values
MODE FIELD DIAMETER	µm	1310nm: 9.0 ± 0.3 / 1550nm: 10.2 ± 0.4
CORE NON-CIRCULARITY	%	6
CORE/CLADDING CONCENTRICITY ERROR	µm	≤0.4
CLADDING DIAMETER	µm	125 ± 0.5
CLADDING NON-CIRCULARITY	%	0.6
COATING DIAMETER	µm	uncolored: 242 ± 5 / colored: 254 ± 7
COATING/CLADDING CONCENTRICITY ERROR	µm	8
ATTENUATION	dB/km	1310nm: 0.35 / 1550nm: 0.21
BENDING SENSITIVITY - 10 TURNS AROUND Ø30MM	dB	1550nm: 0.1 / 1625nm: 0.2
BENDING SENSITIVITY - 10 TURNS AROUND Ø20MM	dB	1550nm: 0.2 / 1625nm: 0.5
CABLE CUT-OFF WAVELENGTH	nm	≤1260
ZERO-DISPERSION WAVELENGTH	nm	1300 - 1322
ZERO-DISPERSION SLOPE	ps/nm ² * km	≤0.090
CHROMATIC DISPERSION	ps/nm * km	1285-1330nm: ≤3.0 / 1550nm: ≤17.0 / 1625nm: ≤21.0
POLARISATION MODE DISPERSION	ps/nm * km	≤0.1
EFFECTIVE GROUP CORE REFRACTIVE INDEX	-	1310nm: 1.465 / 1550nm: 1.465 / 1625nm: 1.465
PROOF TEST LEVEL	Gpa	≥0.69
FIBER CURL	m	≥4



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