

12-FIBER DISTRIBUTION CABLE

PROFILE VIEW



FIBER PARAMETERS

N°	ITEMS		UNIT	SPECIFICATION G.657A2
1	MODE FIELD DIAMETER	1310nm	μm	8.8±0.4
		1550nm	μm	9.8 0.5
2	CLADDING DIAMETER		μm	124.8±0.7
3	CLADDING NON-CIRCULARITY		%	≤0.7
4	CORE-CLADDING CONCENTRY ERROR		μm	≤0.5
5	COATING DIAMETER		μm	245±5
6	COATING NON-CIRCULARITY		%	≤6.0
7	CLADDING-COATING CONCENTRICITY ERROR		μm	≤12.0
8	CABLE CUTOFF		μm	$\lambda_{cc} \leq 1260$
9	ATTENUATION (MAX.)	1550nm	dB/km	≤0.36
		1550nm	dB/km	≤0.24
10	MACRO-BENDING LOSS	1turn×7.5mm radius @1550nm	dB	≤0.5
		1turn×7.5mm radius @1625nm	dB	≤1.0

CABLE PARAMETERS

ITEMS		SPECIFICATION
FIBER COUNT		12
TIGHT-BUFFERED FIBER	DIAMETER	850±50µm
	MATERIAL	PVC
	COLOR	BLUE, ORANGE, GREEN, BROWN, GRAY, WHITE, RED, BLACK, YELLOW, PURPLE, PINK, AQUA
STRENGTH MEMBER		KEVLAR
JACKET	DIAMETER	6.5±0.2mm
	MATERIAL	LSZH
	COLOR	YELLOW

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

ITEMS	UNIT	SPECIFICATION
TENSION (LONG TERM)	N	400
TENSION (SHORT TERM)	N	800
CRUSH (LONG TERM)	N/10cm	200
CRUSH (SHORT TERM)	N/10cm	1000
MIN. BEND RADIUS	mm	20D
MIN. BEND RADUS (STATIC)	mm	10D
INSTALLATION TEMPERATURE	°C	-10~+60
OPERATING TEMPERATURE	°C	-20~+60
STORAGE TEMPERATURE	°C	-20~+60