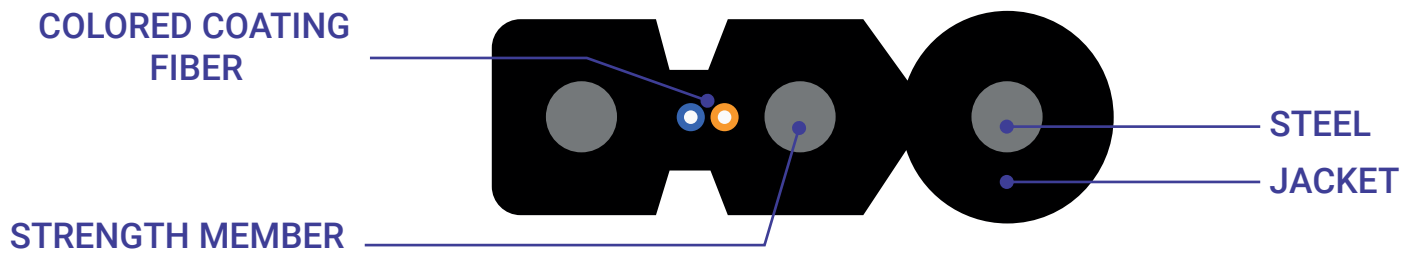


ENGLISH MEASUREMENT VERSION  
MODEL: BDN-G7A202N

## 2-FIBER SELF-SUPPORTING COVERED WIRE 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 WAVELENGTH		nm	$\lambda_{cc} \leq 1260$
9	ATTENUATION (MAX.)	1310nm	dB/km	≤0.35
		1550nm	dB/km	≤0.21
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		2
COLORED COATING FIBER	DIMENSION	250±15µm
	COLOR	BLUE, ORANGE
STRENGTH MEMBER	DIMENSION	0.45mm
	MATERIAL	STEEL WIRE
SELF-SUPPORTING MEMBER	DIMENSION	1.0mm
	MATERIAL	PHOSPHATIZED STEEL WIRE
JACKET	DIMENSION	5.0±0.2mm X 2.1±0.1mm
	MATERIAL	LSZH
	COLOR	BLACK

## MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

ITEMS	UNIT	SPECIFICATION
TENSION (LONG TERM)	N	350
TENSION (SHORT TERM)	N	700
CRUSH (LONG TERM)	N/10cm	1000
CRUSH (SHORT TERM)	N/10cm	2200
MIN. BEND RADIUS (DYNAMIC)	mm	20D
MIN. BEND RADUS (STATIC)	mm	10D
INSTALLATION TEMPERATURE	°C	-20~+60
OPERATING TEMPERATURE	°C	-40~+70
STORAGE TEMPERATURE	°C	-40~+70