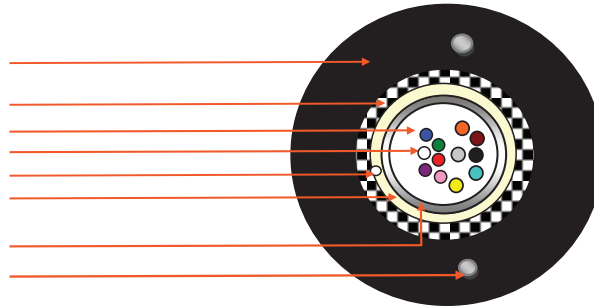


Single-Mode - Unitube Armoured Outdoor Fiber Cable – HDPE

OUTER SHEATH (H.D.P.E.)
 CORRUGATED STEEL TAPE
 FILLING JELLY
 OPTICAL FIBRE
 RIP CORD
 GLASS YARN REINFORCEMENT
 LOOSE TUBE WITH FIBRES
 SPRING STEEL WIRE



FIBER PROPERTIES			
CHARACTERISTICS		UNIT	VALUE
ATTENUATION	@ 1310nm @ 1550nm	dB/km	≤ 0.35 Average ≤ 0.22 Average
CHROMATIC DISPERSION	1285-1330nm @ 1550nm	ps/nm.km	≤ 3.5 ≤ 18.0
ZERO DISPERSION WAVELENGTH		nm	1300 to 1324
ZERO DISPERSION SLOPE		ps/nm ² .km	≤ 0.092
CUT-OFF WAVELENGTH		nm	≤ 1260
POLARISATION MODE DISPERSION		ps/root km	≤ 0.2
MODE FIELD DIAMETER at 1310nm		um	9.3 ± 0.5
CORE-CLAD CONCENTRICITY ERROR		um	≤ 0.5
CLADDING NON-CIRCULARITY		%	≤ 1.0
CLADDING DIAMETER		um	125 ± 1.0
COATING DIAMETER		um	245 ± 10
MECHANICAL & ENVIRONMENTAL PROPERTIES			
A. MAX. TENSION		2000 Newton	
B. CRUSH RESISTANCE		4000 Newton/10 cm	
C. MINIMUM BENDING RADIUS---		90 mm	
PERMANENT		180 mm	
D. MAX. OPERATING/ INSTALLATION TEMPERATURE		-30°C to + 70°C	
PHYSICAL & DIMENSIONS PROPERTIES			
NO. OF FIBRES	4/6/12 F		
TYPE OF FIBRE	SM G652D		
LOOSE TUBE DIAMETER	2.8 mm Nominal		
STRENGTH MEMBER	STEEL WIRE, STEEL TAPE, GLASS YARN REINFORCEMENT		
COLOUR OF FIBRE	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, YELLOW, AQUA, PINK, BLACK, VIOLET		
OUTER SHEATH MATERIAL	HDPE		
OUTER SHEATH THICKNESS	≥ 2.1 mm		
OUTER CABLE DIAMETER	9.0 ± 0.5 mm		
STANDARD LENGTH	85 ± 8 Kg/Km		
CABLE WEIGHT	2 ± 5% KMS		

Product No.	Description
NCB-FS090-AUHD-04	04-Core Single-Mode - Unitube Armoured Outdoor Fiber Cable – HDPE
NCB-FS090-AUHD-06	06-Core Single-Mode - Unitube Armoured Outdoor Fiber Cable – HDPE
NCB-FS090-AUHD-12	12-Core Single-Mode - Unitube Armoured Outdoor Fiber Cable – HDPE