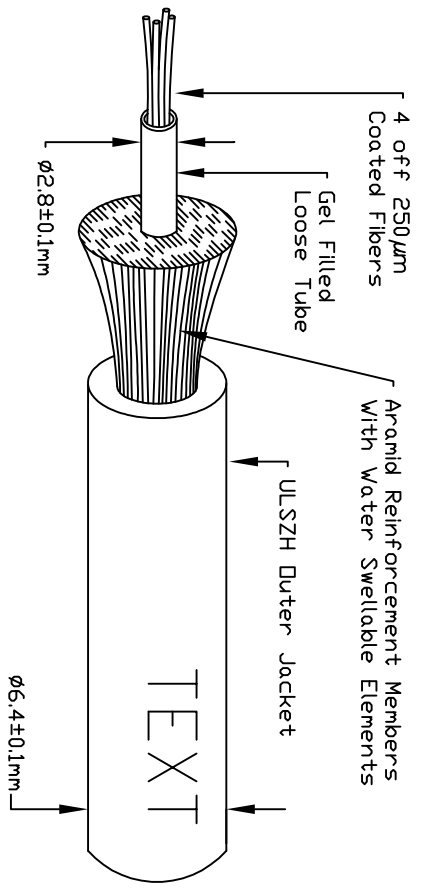


CABLE SPECIFICATION

- 4 off 250µm Primary coated fibre  
Colours: Blue, Drange, Green & Brown  
All Four fibers contained inside one loose tube.  
Gel filled tube, Colour as per table
- Tight Jacket construction with loose tube inside.  
Aramid reinforcement yarns with water swellable elements, evenly spaced & helically wound  
Universal Low Smoke Zero Halogen outer Jacket  
Jacket colour as per table
- Outer Jacket Text to be indelibly marked in contrasting colour every meter,  
Text Height: 2.0mm to 4.0mm. Acc. 101-131550 Method C.  
Example (excluding Reel No. & Meter Mark)  
'CDMMSCOPE GB OPTIBEND SYSTEM F.D. CABLE X-599160-3 INT/EXT GEL LOOSE TUBE 4x50/125 DM3'
- Mechanical properties of cable  
Tested ACC: IEC 60794-1  
Nominal weight: 33Kg/km  
Minimum installation bend radius: 140mm  
Minimum service bend radius: 130mm  
Maximum installation tension: 500N  
Maximum operating tension: 400N  
Maximum crush resistance: 2000N/10cm  
Operating temperature range: -20 to +70°C  
Internal / External Grade



LDW SMOKE ZERO HALOGEN material to be compliant with:  
Water Absorption: IEC 60811-1 (2mg/cm<sup>2</sup> 10Days @ 70°C)  
Smoke Emission: IEC 61034  
Acid Gas Emission: IEC 60754-1  
Toxicity: NES 60713  
Fire Propagation: IEC 60332-1 & 60332-3

To meet the requirements of CDMMSCOPE environmental specification 138-702

LTR	REVISION RECORD	DATE	DWN	APVD
A	EHD0-1940-98	20NDV98I	MWH	MWH
B	J200-0002-02	29.JUL.02	PJT	AG
C	J200-0004-04	14DEC04	LT	AG
D	J200-0012-05	18MAR05	PS	AG
E	ECR-06-0149**	2006	PT	AG
F	ECR-09-021517	16NDV09	LST	AG
G	ECR-10-001525	18MAR10	LST	AG
H	ECR-12-021239	23NDV13	LST	AV
J	MCD 40033817	08NDV16	NM	DJW

OPTIBEND SYSTEM IN THE PRINT ONLY APPLIES TO FIBRE TYPES MARKED WITH AN ASTERIX \*

Part Number Prefix	No	Length
1-	1km	
2-	2km	
3-	3km	
4-	4km	

Drange	Grey	2.90/0.70	250/600	62.5/125 DM1+	X-599160-9
Yellow	Blue	0.37/0.25	Singlemode	6657A.2 BI *	X-599160-8
Drange	Drange	2.50/0.70	500/500	50/125 DM2 BI *	X-599160-7
Drange	Drange	2.50/0.70	600/1200	50/125 DM2+	X-599160-6
Drange	Grey	2.90/0.70	200/600	62.5/125 DM1	X-599160-5
Yellow	Blue	0.37/0.25	Singlemode	9/125 DS2	X-599160-4
Aqua	Drange	2.50/0.70	1500/500	50/125 DM3 BI *	X-599160-3
Aqua	Drange	2.50/0.70	3500/500	50/125 DM4 BI *	X-599160-2
Yellow	Blue	0.37/0.25	Singlemode	6657A.1 BI *	X-599160-1

Max cable fibre attn. loss @ 1300nm for 1310/1550nm for singlemode

Minimum bandwidth @ 850/1300nm for multimode

Dimensions: MM  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
0 PLC ±0.1  
1 PLC ±0.01  
2 PLC ±0.001  
3 PLC ±0.001  
4 PLC ±0.0001

Checked: D. WALKER  
Approved: A. GIBBONS

Drawn: P. SMITH  
28 FEB 05

Scale: N/A  
Drawing No: C-599160  
Sheet: 1 of 1  
Rev: J



COMMSCOPE  
Connectivity UK Ltd  
Kemel Park, Bodelvaden, Denbighshire, LL18 5TZ

FD CAB I/EGLT x4  
Fiber Optic Cable Int./Ext  
Gel Loose Tube x4