



CABLE SPECIFICATION

- 6 off 250um Primary coated fibers
Colours - Blue, Orange, Green, Brown, Grey & White
All 6 fibers contained inside one gel filled loose tube
Colour as per table
- Tight Jacket construction with loose tubes inside
Water blocking E-Glass strength members
Corrugated steel tape armorring
HDPE outer jacket
Jacket colour as per table
- Outer Jacket Text to be indelibly marked in contrasting colour every meter,
Text Height: 2.0 to 4.0mm high. Acc 101-131550 Method C.
Example (excluding Reel No. & Meter Mark)
'COMMSCOPE GB OPTOBEND SYSTEM F.D. CABLE X-599682-3 CSA GEL LOOSE TUBE 6x50/125 DM3 HDPE'
- Mechanical properties of cable
Tested ACC: IEC 60794-1
Nominal weight: 104Kg/km
Minimum installation bend radius: 200mm
Minimum service bend radius: 160mm
Tensile rating: 1250N
Maximum crush resistance: 3000N/10cm
Operating temperature range: -20 to +70°C
Internal / External Grade
- To meet the requirements of COMMSCOPE environmental specification 138-702

LTR	REVISION RECORD	DATE	DWN	APVD
A	EH-0962-01	30AUG01		SVP
B	JZ00-0002-02	29JUL02		AG
C	JZ00-0007-03	30APR03		AG
D	JZ00-0012-05	22MAR05		AG
H	ECR-06-014967	04JUL07		DW
J	ECR-09-000121	08JAN09		DW
K	ECR-10-009119	03SEP10		AG
M	MCD 40033817	08NOV16	NM	DJW

OPTOBEND 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

Outer Jacket Colour	Loose Tube Colour	Max cable fibre attn. loss dB/Km @ 850/1300nm for multimode and @ 1310/1550nm for singlemode	Minimum bandwidth @ 850/1300n for multimode	Fibre Type	Part number
Black	Grey	2.90/0.70	250/600	62.5/125 DM1+	X-599682-9
Black	Blue	0.37/0.25	Singlemode	G657A2 BI *	X-599682-8
Black	Orange	2.50/0.70	500/500	50/125 DM2 BI *	X-599682-7
Black	Orange	2.50/0.70	600/1200	50/125 DM2+	X-599682-6
Black	Grey	2.90/0.70	200/600	62.5/125 DM1	X-599682-5
Black	Blue	0.37/0.25	Singlemode	9/125 DS2	X-599682-4
Black	Orange	2.50/0.70	1500/500	50/125 DM3 BI *	X-599682-3
Black	Orange	2.50/0.70	3500/500	50/125 DM4 BI *	X-599682-2
Black	Blue	0.37/0.25	Singlemode	G657A1 BI *	X-599682-1

COMMSCOPE

Commscope Connectivity UK Ltd
Kimmel Park, Bodelwyddan, Denbighshire, LL18 5TZ

FD CAB CSA GLT 6x HDPE
Fiber Optic Cable steel
tape armoured GLT X6

Dimensions: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	Drawn: J. Dyer 08 JAN 09	Checked: D. WALKER	Approved: A. GIBBONS
	0 PLC ±0.1 1 PLC ±0.01 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001			
ANGLES: -				
SURFACE TEXTURE				

Scale: N/A	Drawing No: C-599682	Sheet: 1 of 1	Rev: M
------------	----------------------	---------------	--------