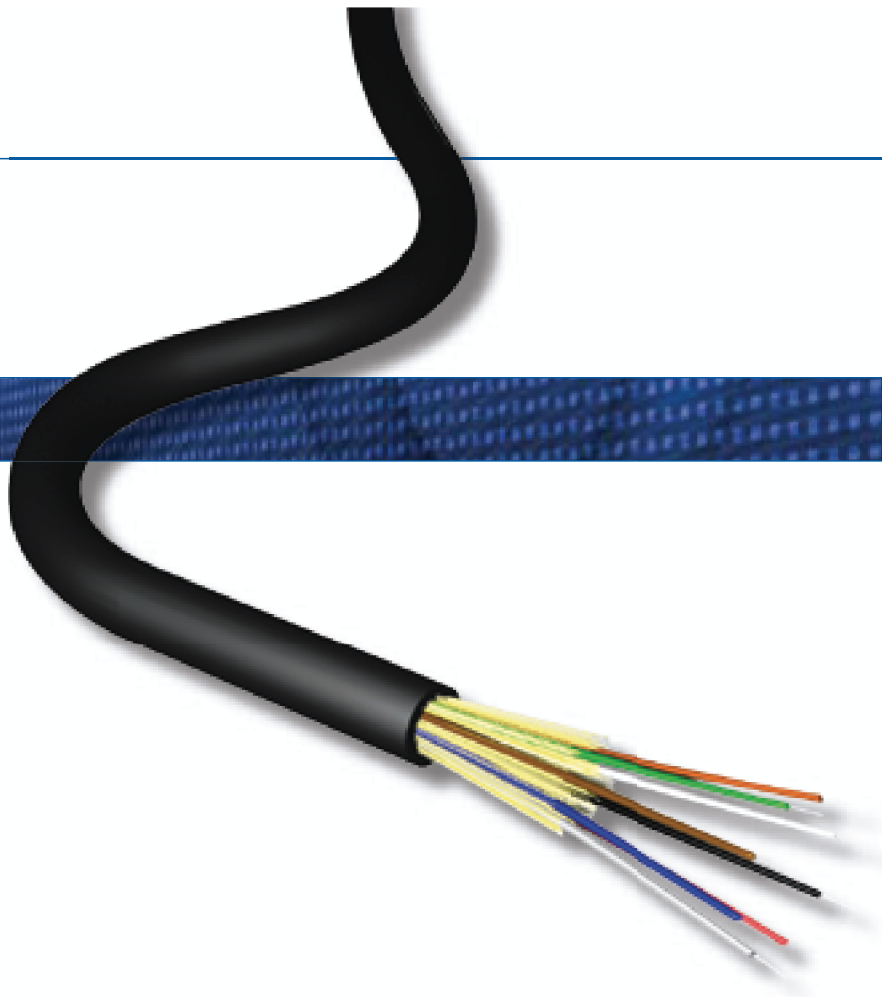




Tight Buffered Premise Distribution Cables





Brand-Rex Optical Cables - Universal PDC

Tight Buffered Premise Distribution Cables

Product Data

	Diameter mm	Weight kg / km	Max Tensile Load N	Min Static Bend mm	Min Dynamic Bend mm
2 Fibre	4.80	22	460	50	75
4 Fibre	5.00	25	640	55	80
6 Fibre	5.60	29	730	60	85
8 Fibre	5.90	34	920	65	95
12 Fibre	6.50	41	1100	70	100
16 Fibre	7.20	47	1430	75	113
24 Fibre	8.30	62	1430	85	128

Product Part Numbering

	62.5/125	50/125	OM3	8/125
2 Fibre	HF 062 PDC02 LU	HF 050 PDC02 LU	HF OM3 PDC02 LU	HF 008 PDC02 LU
4 Fibre	HF 062 PDC04 LU	HF 050 PDC04 LU	HF OM3 PDC04 LU	HF 008 PDC04 LU
6 Fibre	HF 062 PDC06 LU	HF 050 PDC06 LU	HF OM3 PDC06 LU	HF 008 PDC06 LU
8 Fibre	HF 062 PDC08 LU	HF 050 PDC08 LU	HF OM3 PDC08 LU	HF 008 PDC08 LU
12 Fibre	HF 062 PDC12 LU	HF 050 PDC12 LU	HF OM3 PDC12 LU	HF 008 PDC12 LU
16 Fibre	HF 062 PDC16 LU	HF 050 PDC16 LU	HF OM3 PDC16 LU	HF 008 PDC16 LU
24 Fibre	HF 062 PDC24 LU	HF 050 PDC24 LU	HF OM3 PDC24 LU	HF 008 PDC24 LU

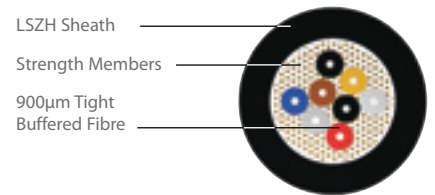
Fibre Selection

062 H62

050 H50

OM3 Z50

008 D08



FEATURES & BENEFITS

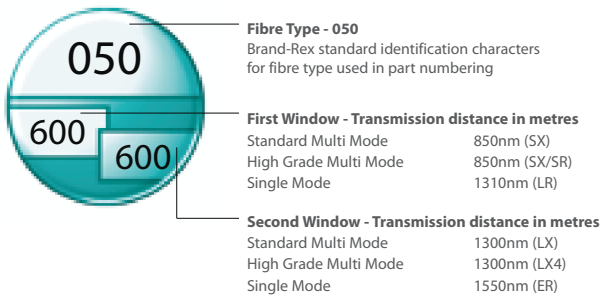
- 900 micron Low Smoke Zero Halogen tight buffered fibre
- Improved Fire Safety with new LSZH buffer materials
- Improved strippability capable of stripping from 900µm to 125 µm in one operation making an ideal direct termination solution. Also capable of stripping 900µm to 250µm for fibre splicing
- Improved flexibility to ease termination in a patch panel
- Water-blocked design for indoor/outdoor and sub-duct use
- UV Resistant Low Smoke and Fume Zero Halogen cable jacket materials as standard
- Mechanical and Environmental performance defined by IEC 60794-2-20
- Brand-Rex Warranty available when used in conjunction with Brand-Rex connectivity

PRODUCT PERFORMANCE:

Crush (N):	2000
Impact (Nm):	15
Torsion (turns / m):	5
Fire:	IEC 60332-1
Smoke:	IEC 61034
Temp - Operation:	-20°C to +60°C
Temp - Storage:	-20°C to +60°C
Temp - Installation:	-15°C to +60°C
Water Penetration:	≤3m @ 24 hours



Transmission Distance Identification



Application Protocols

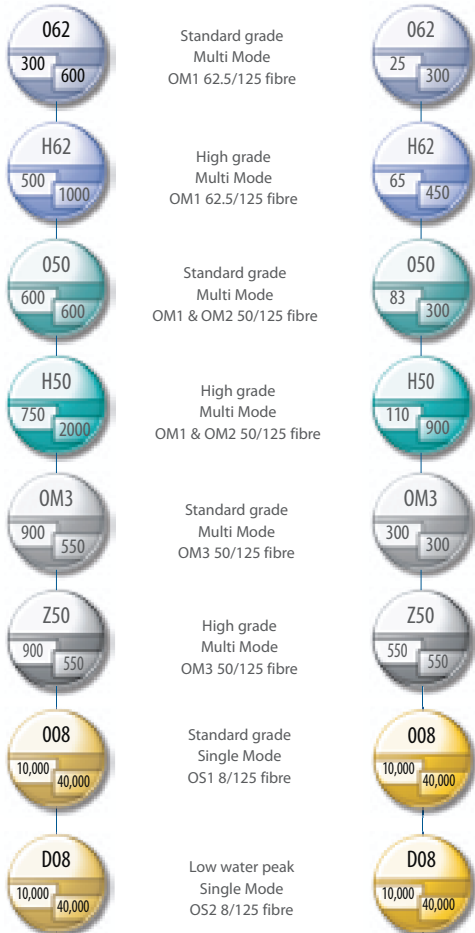
PDC series cables provide a foundation for building reliable, high speed, Local Area Networks to support transmission of optical class protocols currently defined in ISO 11801, EN 50173 and TIA 568B.

High speed LAN protocols supported include:

- 10BASE-FL
- 100BASE-FX
- 1000BASE-SX
- 1000BASE-LX
- 10GBASE-LX4
- 10GBASE-SX(R)
- 10GBASE-LX(W)
- 10GBASE-EX
- Fibre Channel (FC-PH) @1062Mbit/s
- FDDI LCF-PMD
- FDDI PMD
- FDDI SMF-PMD

Gigabit Ethernet

10 Gigabit Ethernet



Optical Performance

The optical performance of the cable versus the current published and new draft standards is shown in the table below.

Fibre Type		Maximum Attenuation (dB/km) 850nm	Maximum Attenuation (dB/km) 1300nm
OM1	062	3.5	1.5
OM1*	H62	3.5	1.5
OM2	050	3.5	1.5
OM2*	H50	3.5	1.5
OM3	OM3	3.5	1.5
OM3*	Z50	3.5	1.5

* Fibre is a higher bandwidth than standard. Full spec in main brochure.

Fibre Type		Maximum Attenuation (dB/km) 1310nm	Maximum Attenuation (dB/km) 1500nm
OS1	008	0.4	0.3
OS2	D08**	0.4	0.3

** Fibre is low water-peak. Full spec in main brochure.