









48.5 kg/km

applicable

Weight

Electromagnetic compatibility

66.2 kg/km

not applicable

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## FIBRE OPTIC CABLE

PARAMETERS	SINGLE-MODE	VS	MULTIMODE
Light source	Laser		LED / VCSEL
Distance	Access, medium/long haul network (>200 km)		Local networks (<2 km)
Attenuation	lower		higher
Bandwidth	infinite		limited
Wavelengths	1260 to 1650 nm		850 to 1300 nm
Cost	lower		higher

# 5

# FIBRE OPTIC SINGLE-MODE CABLE

STANDARD	APPLICATION	ATTENUATION/km (1550 nm)	BEND RADIUS
G652.D	OSP / Drop cable	0.3	30 mm
G657.A1	Drop cable	0.3	10 mm
G652.D BLO	Drop cable	0.3	10 mm
G655	Links over 100 km	0.35	NA

# 6

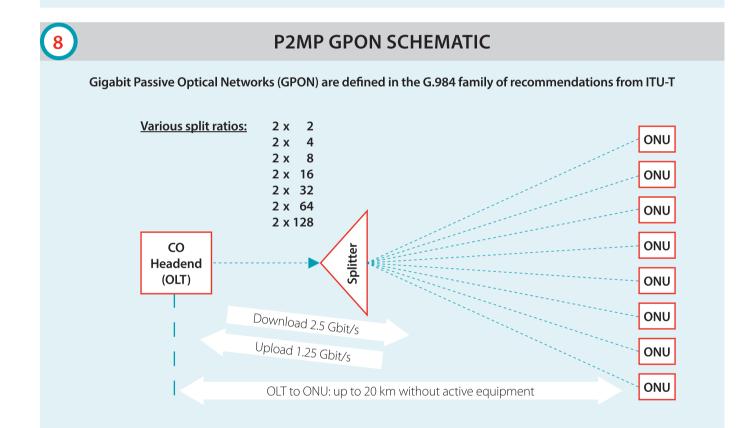
# FIBRE OPTIC MULTIMODE CABLE

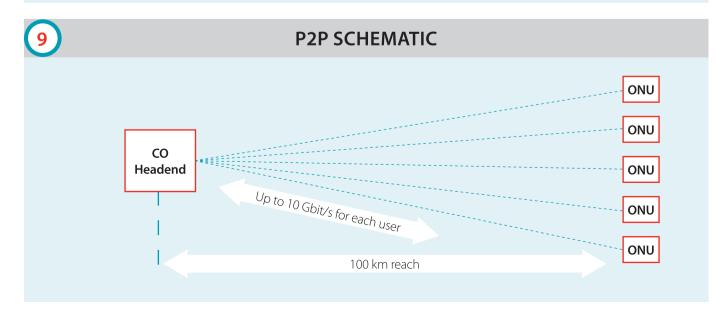
ТҮРЕ	DIA	1 G	10 G	40 G
OM 1	62.5 / 125	275 m	33 m	NA
OM 2	50 / 125	550 m	86 m	NA
OM 3	50 / 125	900 m	300 m	100 m
OM 4	50 / 125	1,100 m	550 m	150 m

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# P2MP GPON vs P2P

PARAMETERS	P2MP GPON	P2P
Feature	P2MP (Point to Multi Point)	P2P (Point to Point)
Speed	2.5 to 10 Gbit/s	100 Mbit/s to 10 Gbit/s
Bandwidth sharing	Shared bandwidth	Dedicated bandwidth
Security	Secured by encryption	Highly secure through private links
Configuration	complex	simple
Coverage distance	20 km	100 km
Implementation time	shorter	longer
Cost per subscriber	lower	higher

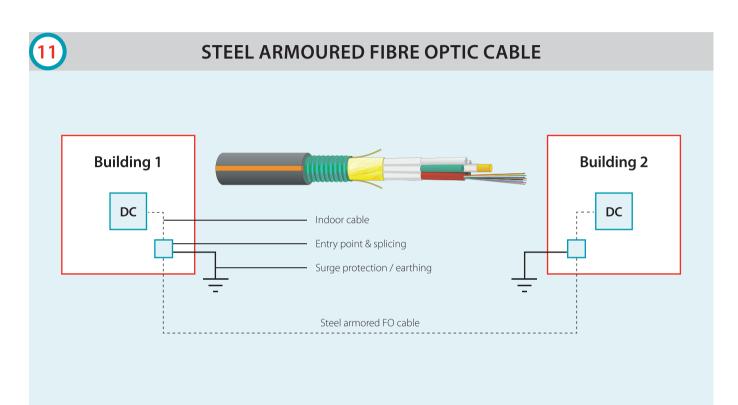


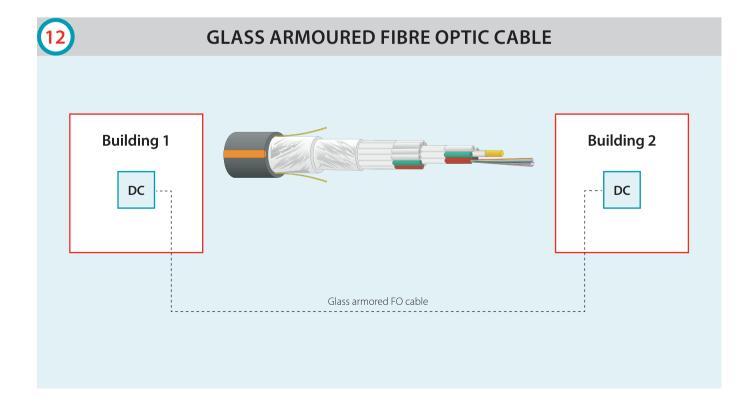


# 10

# STEEL vs GLASS ARMOURED

PARAMETERS	STEEL ARMOURED	GLASS ARMOURED
Pulling tensile	2500 N	9000 N
Crush resistance	4000 N	5000 N
Earthing	required	not required
Rodent rating	++	+







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