

QXXE-OUTDOOR DUCT CABLE, MULTITUBE

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GENERAL INFO

Outdoor backbone cable for blowing or floating in ducts (pipes) Very robust metal-free cable with a temperature range adapted to Nordic conditions. PE outer sheath, dry core with swelling material and jelly filled fiber tubes to prevent longitudinal water penetration. Fiber tubes and fibres are marked for easy identification. Easy to remove the outer sheath as it has 2 rip cords to split the sheath

CERTIFICATIONS AND DESIGN STANDARDS

IEC 60794-1	Optical fibre cables, test methods
IEC 60794-3	Optical fibre cables, outdoor cables
IEC 60794-3-11	Optical fibre cables, Outdoor cables, duct, direct burial, or lashed aerial

APPLICATION PROPERTIES

Resistant to UV	Yes		
With rodent protection	No		
Min. outer temperature, fixed installation [°C]	-40	(max) [°C]	70
Min. outer temperature during installation [°C]	-15	(max) [°C]	60
Outdoor installation	Yes		
Bending radius (rule)	Without Tension: 10 x D, At Max. Tension: 20 x D		

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Material outer sheath	HDPE
Type of tube	Stranded loose tube
Cable metal free	Yes
Cable shape	Round

COLOUR CODE

Tube Identification	1. Red 2. Green 3. White 4. White Continues with white tubes/fillers untill end(indicated by the red tube)	Alternative(new from 2020/21): Different colours as for fiber colour code(see below)
Fiber colour code	1. White 2. Red 3. Yellow 4. Green 5. Blue 6. Grey 7. Brown 8. Black 9. Violet 10. Turquoise 11. Orange 12. Pink	13. White + Mark every 70mm 14. Red + Mark every 70mm 15. Yellow + Mark every 70mm 16. Green + Mark every 70mm 17. Blue + Mark every 70mm 18. Grey + Mark every 70mm 19. Brown + Mark every 70mm 20. White + Mark every 35mm 21. Violet + Mark every 70mm 22. Turquoise + Mark every 70mm 23. Orange + Mark every 70mm 24. Pink + Mark every 70mm

MECHANICAL PROPERTIES

Max. tensile strength during installation [N]	250
Crush (acc. IEC 60794-1-21, E3) [N/10cm]	2,500
Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm]	

CABLE DETAILS

Product name	Colour outer sheath	Number of fibres	Category (fibre)	Fibre datasheet	DOP number	SAP	EL no.
G24-9/125 QXXE-O/DT-JM/W	Black	24	OS2	C06		60108098	1082662
G48-9/125 QXXE-O/DT-JM/W	Black	48	OS2	C06		60108148	1082663
G96-9/125 QXXE-O/DT-JM/W	Black	96	OS2	C06		60108149	1082664
G144-9/125 QXXE-O/DT-JM/W	Black	144	OS2	C06		60108099	1082660
G192-9/125 QXXE-O/DT-JM/W	Black	192	OS2	C06		60108100	1082666
G288-9/125 QXXE-O/DT-JM/W	Black	288	OS2	C06		60108101	1082688

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CABLE DETAILS(EXTRA)

Product name	Nominal outer diameter [mm]	Number of fibres	Number of fibres per tube	Cable weight [kg/km]	SAP
G24-9/125 QXXE-O/DT-JM/W	11.7	24	12	105	60108098
G48-9/125 QXXE-O/DT-JM/W	11.7	48	12	105	60108148
G96-9/125 QXXE-O/DT-JM/W	12.8	96	12	130	60108149
G144-9/125 QXXE-O/DT-JM/W	13.2	144	24	135	60108099
G192-9/125 QXXE-O/DT-JM/W	14.7	192	24	170	60108100
G288-9/125 QXXE-O/DT-JM/W	18.4	288	24	265	60108101