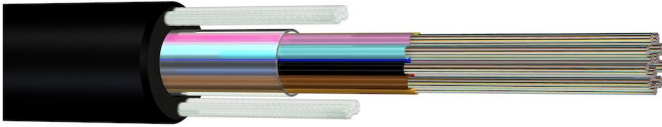


## QXAI MSHEATH, INDOOR/OUTDOOR

### QXAI $\mu$ SHEATH, INDOOR/OUTDOOR



## GENERAL INFO

Robust backbone cable that is well suited for LAN and WAN. Intended for both indoor and outdoor installations. The cable is metal-free with a temperature range adapted to Norwegian conditions. UV-stabilized outer jacket, dry core with swelling agent to prevent longitudinal water ingress. The cable can be installed in pipes, ducts, cable bridges and ladders. 4 FRP elements in the outer sheath provide high tensile strength and some stiffness which is an advantage when blowing or pulling into ducts. The cable features the  $\mu$ sheath module (fiber tubes), which provides very good stripping properties (no tools needed) in addition to being flexible and easy to handle when splicing and terminating.

## CERTIFICATIONS AND DESIGN STANDARDS

Eca  
CPR

Dca  
CPR

**IEC 60794-1**

**IEC 60794-2**

**EN 50173-1**

**ISO/IEC 11801**

Optical fibre cables, test methods

Optical fibre cables, indoor cables specifications

Generic cabling systems

Generic cabling system

## CABLE CONSTRUCTION

|                                   |                       |
|-----------------------------------|-----------------------|
| Longitudinal water blocking cable | Yes                   |
| Material outer sheath             | Thermoplastic polymer |
| Type of tube                      | Other                 |
| Cable metal free                  | Yes                   |
| Cable shape                       | Round                 |

## APPLICATION PROPERTIES

|                                                               |                                      |
|---------------------------------------------------------------|--------------------------------------|
| With strain relief                                            | Yes                                  |
| Min. outer temperature, fixed installation [°C]               | -30                                  |
| Max. outer temperature, fixed installation [°C]               | 60                                   |
| Crush (acc. IEC 60794-1-21, E3) [N/10cm]                      | 2,000                                |
| UV resistant                                                  | Yes                                  |
| Outdoor installation                                          | Yes                                  |
| Min. outer temperature during installation [°C]               | -5                                   |
| Max. outer temperature during installation [°C]               | 40                                   |
| Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm] | 70                                   |
| Duct suitable                                                 | Yes                                  |
| Bending radius (rule)                                         | Installation: 5 x D Operation: 10 xD |
| Blow in                                                       | Yes                                  |

## FIRE PROPERTIES

|                                                         |                                      |
|---------------------------------------------------------|--------------------------------------|
| Flame retardant                                         | In accordance with EN/IEC 60332-3-24 |
| Halogen free (acc. IEC 60754-2)                         | Yes                                  |
| Low smoke (acc. IEC 61034-2)                            | Yes                                  |
| Reaction-to-fire class (acc. EN 13501-6)                | Dca                                  |
| Smoke development class (acc. EN 13501-6)               | s1b                                  |
| Euro class flaming droplets/particles (acc. EN 13501-6) | d2                                   |
| Euro class acidity (acc. EN 13501-6)                    | a1                                   |

## PRODUCT ORDER DATA

| Product name           | Colour outer sheath | SAP      | EL no.  | Packaging type |
|------------------------|---------------------|----------|---------|----------------|
| G12-9 QXAI MSHEATH GC  | Black               | 60089284 | 1005768 | Drum           |
| G24-9 QXAI MSHEATH GC  | Black               | 60085762 | 1004207 | Drum           |
| G48-9 QXAI MSHEATH GC  | Black               | 60085763 | 1004215 | Drum           |
| G96-9 QXAI MSHEATH GC  | Black               | 60089285 | 1005769 | Drum           |
| G144-9 QXAI MSHEATH GC | Black               | 60089283 | 1004216 | Drum           |

© PRYSMIAN 2026, all rights reserved. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian.

# CABLE PROPERTIES 01(PER ITEM)

| Product name           | Nominal outer diameter [mm] | Fire load [MJ/km] | Max. tensile strength during installation [kN] | Cable weight [kg/km] | DOP number | SAP      |
|------------------------|-----------------------------|-------------------|------------------------------------------------|----------------------|------------|----------|
| G12-9 QXAI MSHEATH GC  | 7                           |                   | 1.1                                            | 51                   | 000188     | 60089284 |
| G24-9 QXAI MSHEATH GC  | 7                           |                   | 1.15                                           | 51                   | 000188     | 60085762 |
| G48-9 QXAI MSHEATH GC  | 8                           |                   | 1.55                                           | 68                   | 000188     | 60085763 |
| G96-9 QXAI MSHEATH GC  | 13                          |                   | 2.75                                           | 160                  | 000188     | 60089285 |
| G144-9 QXAI MSHEATH GC | 13                          |                   | 2.75                                           | 160                  | 000188     | 60089283 |

## CABLE PROPERTIES 02(PER ITEM)

| Product name           | Fibre type        | Number of fibres | Number of fibres per tube | Category (fibre) | Fibre datasheet | SAP      |
|------------------------|-------------------|------------------|---------------------------|------------------|-----------------|----------|
| G12-9 QXAI MSHEATH GC  | Single mode 9/125 | 12               | 12                        | OS2              | C17             | 60089284 |
| G24-9 QXAI MSHEATH GC  | Single mode 9/125 | 24               | 12                        | OS2              | C17             | 60085762 |
| G48-9 QXAI MSHEATH GC  | Single mode 9/125 | 48               | 12                        | OS2              | C17             | 60085763 |
| G96-9 QXAI MSHEATH GC  | Single mode 9/125 | 96               | 12                        | OS2              | C17             | 60089285 |
| G144-9 QXAI MSHEATH GC | Single mode 9/125 | 144              | 12                        | OS2              | C17             | 60089283 |