

## AXIS TX1203 Fiber Optic Cable Kit Multimode

Protect your equipment in hazardous areas

This multimode fiber optic cable kit includes a halogen-free and flame-retardant breakout cable (5 m (16.4 ft) or 10 m (32.8 ft)), that can withstand mechanical stress. It also comes with an Ex d barrier gland which allows you to insert the breakout cable directly into flameproof enclosures, providing a safe and reliable solution for hazardous environments. The kit also includes an M25-to-M20 cable gland adapter. What's more, it complies with IEC EN 60079-14 requirements for cable installation and wiring in hazardous areas.

- > For use with **AXIS TX1401**
- > Certified for **ATEX, IECEx and INMETRO**
- > Halogen-free, flame-retardant cable



# AXIS TX1203 Fiber Optic Cable Kit Multimode

## Variants

AXIS TX1203 5 m  
AXIS TX1203 10 m

## Approvals

### Approvals

#### Cable

EN 60079-14:2014, IEC 60079-14:2013, EN 187000,  
IEC 60794, EN50575, EN 13501-6, IEC 61034,  
IEC 60754-1, IEC 60754-2

#### Chemical characteristics

RoHS 2011/65/EU

IEC 60794-1-2 F5 (waterblocking)

IEC 60332-1-2 and EN 60332-3 (flame-retardant)

## Certifications

### Cable gland certifications

Model key: CMP-20-PXSS2K

#### ATEX

II 2G 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da II 3G,  
Ex nR IIC Gc, I M2 Ex db I Mb, Ex eb I Mb

Certificate: CML18ATEX1325X, CML18ATEX4317X

#### IECEX

Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da,  
Ex db I Mb, Ex eb I Mb

Certificate: IECEX CML 18.0182X

#### cCSAUs

Class I, Div 1 and 2, Groups A,B,C, and D

Class II, Div 1 and 2, Groups E, F, and G

Class III, Div 1 and 2

Type 4X; Oil Resistance II

Class I, Zone 1, AEx d IIC Gb, AEx e IIC Gb

Class I, Zone 2, AEx nR IIC Gc; Class I, Zone 20,

AEx ta IIIC Da

#### cCSA

Class I, Div 1 and 2, Groups A,B,C, and D

Class II, Div 1 and 2, Groups E, F and G

Class III

Div 1 and 2

Type 4X; Oil Resistance II

Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da

Certificate: 2288626

#### cULus

Class I, Div 1 and 2, Groups A, B, C, and D

Class II, Div 1 and 2, Groups F and G

Certificate: 0) E201187, E161256

#### UL

Class I, Zone 1, AEx d IIC, AEx e II

Certificate: E253914

#### PESO

Certificate: P444949

#### INMETRO

Certificate: TÜV 12.2073X

#### KCs

Certificate: 14-GA4BO-0252X

#### CCC

Certificate: 2020322313003190

#### IA

Certificate: MS-XPL21962 21.0305X

-60°C < Tamb < +85°C

## General

### Supported products

Explosion-protected devices

### Environment

UV-resistant, for indoor and outdoor use

**Material****Cable gland**

IP66/68-rated  
Nickel-plated brass

**Cable**

Flame-retardant, non-corrosive, low smoke material  
Cable color: RAL 9005 (black)  
Fiber color: grey 1/2/3/4

**Design****Cable design**

Type: tight-buffered UT-VQ(ZN)H(ZN)BH 4G G50/125 MMF/OM3 TB3  
Number of fibers: 4 fibers of tight-buffered cables (TB3) with aramid strain relief element and LZSH single jacket  
Strain relief: non-metallic (aramid yarns)  
Armouring: made of laminated glass yarn

**Mechanical characteristics**

Cable bending radius during installation: 210 mm  
Cable bending radius after installation: 160 mm  
Maximum tensile strength: 1500 N (for installation)  
Crush resistance: 2000 N/10 cm  
Fire load: 1.6 MJ/m

**Optical characteristics**

Fibre code: K  
Fibre name: G6 2.5L/125 InfiniCor 300  
Fibre type: multimode  
Fibre core diameter: 50 µm  
Minimum effective modal bandwidth: 220 MHz\*km  
Maximum attenuation: 2.8 dB/km, 1.0 dB/km  
Typical attenuation: 2.9 dB/km, 0.7 dB/km  
Minimum overfilled launch bandwidth: 200 MHz\*km / 600 MHz\*km  
Serial 1-gigabit-ethernet: 300 MHz\*km / 550 MHz\*km  
Serial 10-gigabit-ethernet: 33 MHz\*km / -  
Wavelengths: 850 nm / 1300 nm  
Fibre category: OM3

**Connectors**

Ex-d side: 4x LC MM connectors  
Ex-e [op pr] side: open

**Dimensions**

Length: 5 m (16.4 ft) or 10 m (33 ft)  
Cable: ø 10.4 mm (0.4 in)  
Fiber: ø 2.8 mm (0.1 in)

**Weight**

5 m: 550 g (1.2 lb)  
10 m: 1250 g (2.8 lb)

**Operating conditions**

-20 °C to 60 °C (-4 °F to 140 °F)

**During installation:** -5 °C to 50 °C (23 °F to 122 °F)  
Humidity 10–100% RH (condensing)

**Storage conditions**

-25 °C to 70 °C (-13 °F to 158 °F)

Humidity: 5–95% RH (non-condensing)

**Box content**

Multi mode fiber optic cable, ex-d barrier cable gland with washer, M20 to M25 adapter with washer, installation guide, Declaration of Conformity

**Warranty**

Axis 5-year warranty, see [axis.com/warranty](https://axis.com/warranty)

**Sustainability****Substance control**

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709  
RoHS 2011/65/EU  
REACH compliant

**Environmental responsibility**

[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)  
Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://unglobalcompact.org)