

Metallic joint closure NXOK 10... units for OPGWs with steel tubes and for optical cables

Prysmian Part Number: *See the page no. 3...6*



The NXOK 10... joint closure units are designed to be used for jointing optical ground wires (OPGW) with steel tube construction, ADSS and optical cables. The unit includes all the necessary parts for jointing the cables.

Features and Benefits

- Metallic joint closure units for OPGW constructions with one central or 1...3 stranded steel tubes and also for ADSS and optical cables.
- Acid proof stainless steel housing for harsh and corrosive environments without any additional protection.
- High crush and impact resistance.
- Maximum capacity up to 192 splices. By extension collar/higher cover the capacity can be increased.
- Heat shrink type cable entry port seals provide excellent water tightness and high cable pull out strength.
- Non craft sensitive and reliable.
- Water tight seal to IP68.

Unit Contents

Basic configuration:

Closure
Installation Plate
Closure Seal (Rubber Gasket)
Closure Seal
Heat Shrink Tubes
Earthing and fixing materials
Pole mount

According to unit capacity:

Splice Trays
Splice Protectors
Cable entry port materials

Additional Items

Splice Trays
Splice Protectors
Gasket
Extension Collars / Cover
Pole Mount
Kit for Metallic Wires

Technical Data

• Dimensions (excl. inlet tubes)	NXOK 103 series: 560 x 230 x 100 mm NXOK 107 series: 560 x 230 x 140 mm
• Inner diameter cable entry ports	NXOK 103 series max 20 mm NXOK 107 series max 27 mm
• Number of entry ports	2, 3 or 4
• Weight	about 10 kg
• Material	Closure: Acid proof stainless steel (AISI 316) 1.5 mm Closure seal: Chloroprene rubber
• Splice tray capacity	4 trays XOKP 1024/48 with max capacity of 48 splices/tray
• Temperature variation	IEC 60068-2-14; 2 cycles -30°C to +80°C: $\Delta\alpha < 0.1$ dB@1550 nm
• Damp heat	IEC 60068-2-14; + 60°C, RV 93%, 16 h: $\Delta\alpha < 0.1$ dB@1550 nm
• Climatic withstand test	IEC 60068-2-14; heat +85°C; RV 93%;16 h: $\Delta\alpha < 0.1$ dB@1550 nm IEC 60068-2-14; cold -30°C; 16 h: $\Delta\alpha < 0.1$ dB@1550 nm
• Corrosion test A sulphur dioxide	EN ISO 7384, ISO 3231; +40°C; RV saturated; SO ₂ 0,067% by volume; 3x 120 h
• Corrosion test B salty mist	IEC 60068-2-52; +35°C; 1000 h
• Temperature range:	
• Transport and storage	-40°C to +50°C
• Installation	-10°C to +50°C
• Operation	-45°C to +80°C
• Fibre bending radius (mm)	minimum 30 mm
• Cable retention	IEC 60794-1-E1: 1000 N
• Water immersion	IP68 (No water ingress at 1 meter water pressure for 7 days)
• Impact resistance	IEC 60794-1-E4: 30 Nm @ 20 °C, radius 300 mm
• Crush resistance	1000 N @ 20 °C on top surface of the box
• Torsion resistance	IEC 60794-1-E7: 1000 mm length, $\pm 180^\circ$: $\Delta\alpha < 0.1$ dB@1550 nm
• Drop	Drop height 5 meters on concrete: $\Delta\alpha < 0.1$ dB@1550 nm
• Application area	Group 1&2 in accordance with EN 124, 30 cm below surface level

Ordering codes

Closures

Prysmian Part Numbers

NXOK 1030



XJTSC00886	NXOK 1030-24	Unit 24 splices
XJTSC00887	NXOK 1030-48	Unit 48 splices
XJTSC00888	NXOK 1030-72	Unit 72 splices
XJTSC00889	NXOK 1030-96	Unit 96 splices

NXOK 10304



XJTSC00890	NXOK 10304-24	Unit 24 splices
XJTSC00891	NXOK 10304-48	Unit 48 splices
XJTSC00892	NXOK 10304-72	Unit 72 splices
XJTSC00893	NXOK 10304-96	Unit 96 splices

NXOK 10305



XJTSC00894	NXOK 10305-24	Unit 24 splices
XJTSC00895	NXOK 10305-48	Unit 48 splices
XJTSC00896	NXOK 10305-72	Unit 72 splices
XJTSC00897	NXOK 10305-96	Unit 96 splices

The units are based on joint closure types XOK 1030, XOK 10304, XOK 10305 and XOK 10705.

Units include all necessary parts for jointing the cables. See the contents on pages 4...6.

For the units for OPGWs with central aluminium or plastic tubes see VXOK units in related datasheets.

Ordering codes and unit contents

Prysmian Part No. XJTSC00886 NXOK 1030-24 JOINT CLOSURE UNIT

For max 24 fibres:

Joint closure XOK 1030	1 pce
Basic supplementary kit XOKO 1031	1 pce
Splice tray XOKP 1024/48	1 pce
Entrance kit for OPGW XOKO-106R	1 pce
Fibre protection sleeve FT 290C	24 pces
Supplementary kit for ground wires VXOKE 1032	1 pce
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00887 NXOK 1030-48 JOINT CLOSURE UNIT

For max 48 fibres:

Joint closure XOK 1030	1 pce
Basic supplementary kit XOKO 1031	1 pce
Splice tray XOKP 1024/48	2 pces
Entrance kit for OPGW XOKO-106R	1 pce
Fibre protection sleeve FT 290C	48 pces
Supplementary kit for ground wires VXOKE 1032	1 pce
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00888 NXOK 1030-72 JOINT CLOSURE UNIT

For max 72 fibres:

Joint closure XOK 1030	1 pce
Basic supplementary kit XOKO 1031	1 pce
Splice tray XOKP 1024/48	3 pces
Entrance kit for OPGW XOKO-106R	1 pce
Fibre protection sleeve FT 290C	72 pces
Supplementary kit for ground wires VXOKE 1032	1 pce
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00889 NXOK 1030-96 JOINT CLOSURE UNIT

For max 96 fibres:

Joint closure XOK 1030	1 pce
Basic supplementary kit XOKO 1031	1 pce
Splice tray XOKP 1024/48	4 pces
Entrance kit for OPGW XOKO-106R	1 pce
Fibre protection sleeve FT 290C	96 pces
Supplementary kit for ground wires VXOKE 1032	1 pce
Pole mount VXOKO 1133	1 pce

Ordering codes and unit contents

Prysmian Part No. XJTSC00890 NXOK 10304-24 JOINT CLOSURE UNIT

For max 24 fibres:

Joint closure XOK 10304	1 pce
Basic supplementary kit XOKO 1031	1 pce
Basic supplementary kit XOKO 10304	1 pce
Splice tray XOKP 1024/48	1 pce
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	24 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00891 NXOK 10304-48 JOINT CLOSURE UNIT

For max 48 fibres:

Joint closure XOK 10304	1 pce
Basic supplementary kit XOKO 1031	1 pce
Basic supplementary kit XOKO 10304	1 pce
Splice tray XOKP 1024/48	2 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	48 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00892 NXOK 10304-72 JOINT CLOSURE UNIT

For max 72 fibres:

Joint closure XOK 10304	1 pce
Basic supplementary kit XOKO 1031	1 pce
Basic supplementary kit XOKO 10304	1 pce
Splice tray XOKP 1024/48	3 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	72 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00893 NXOK 10304-96 JOINT CLOSURE UNIT

For max 96 fibres:

Joint closure XOK 10304	1 pce
Basic supplementary kit XOKO 1031	1 pce
Basic supplementary kit XOKO 10304	1 pce
Splice tray XOKP 1024/48	4 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	96 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Ordering codes and unit contents

Prysmian Part No. XJTSC00894 NXOK 10305-24 JOINT CLOSURE UNIT

For max 24 fibres:

Joint closure XOK 10305	1 pce
Basic supplementary kit XOKO 10315	1 pce
Splice tray XOKP 1024/48	1 pce
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	24 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00895 NXOK 10305-48 JOINT CLOSURE UNIT

For max 48 fibres:

Joint closure XOK 10305	1 pce
Basic supplementary kit XOKO 10315	1 pce
Splice tray XOKP 1024/48	2 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	48 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00896 NXOK 10305-72 JOINT CLOSURE UNIT

For max 72 fibres:

Joint closure XOK 10305	1 pce
Basic supplementary kit XOKO 10315	1 pce
Splice tray XOKP 1024/48	3 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	72 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Prysmian Part No. XJTSC00897 NXOK 10305-96 JOINT CLOSURE UNIT

For max 96 fibres:

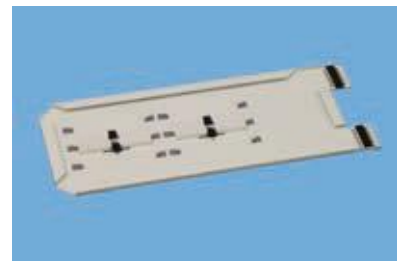
Joint closure XOK 10305	1 pce
Basic supplementary kit XOKO 10315	1 pce
Splice tray XOKP 1024/48	4 pces
Entrance kit for OPGW XOKO-106R	2 pces
Fibre protection sleeve FT 290C	96 pces
Supplementary kit for ground wires VXOKE 1032	2 pces
Pole mount VXOKO 1133	1 pce

Additional Items

Splice tray XOKP 1024/48

Splice tray for 48 heat shrink splice protectors covered by transparent acrylate cover. Splice tray is powder coated steel and splice holders silicone rubber. Dimensions are 385 x 157 x 10 mm (l x w x d)

Prysmian Part No. XJTSC00870 XOKP 1024/48 Splice tray



Splice protector FT 290C

Heat shrink splice protector for single fibre with dimensions 61 mm x 2.6 mm (diameter). Splice protectors are packaged in 100 pcs packs.

Prysmian Part No. XKTSC00541 FT 290C Fibre protection sleeve 61 mm



Rubber gasket

Rubber gasket when original gasket has to be changed.

Prysmian Part No. XJTSC00863 XOKO 1002 Rubber gasket



Pole mounts for towers

Used for mounting the closure to a metallic tower in a power line.

Prysmian Part No. XJTSC00866 VXOKO 1133 Pole mount (for towers)



Higher cover for the XOK joint closure

The capacity of NXOK 1030... joint closures can be expanded by using higher cover. Cover height is 70 mm.

Prysmian Part No. XJTSC00864 XOKO 1005 High cover



Additional Items

Entrance materials for cable with metallic wire armouring

Supplementary kit for fixing metallic wires outside the joint closure over the round entrance tubes and protecting the cable core. Kit contains materials for two cable ends. Can be used when metallic wires are bigger like in OPGW or in heavy armoured direct burial or underwater cable.

Kit VXOKE 1032 contains 10 steel ties and 2 heat-shrinkable tubes 55/16 mm.

Prysmian Part No. XJTSC00868 VXOKE 1032 kit for OPGW cables



VSPA-U OPGW supplementary kit

Supplementary kit for protecting optical fibres in the joints of OPGW (Optical Ground Wire) with Aluminium tube, Spiral Space core or steel tube constructions. Kit contains materials for two cables.

Prysmian Part No. XJTSC00875 VSPA-U kit for Spiral Space OPGW



XOK Extension collars 100mm

XOK extension collars are designed to add entries for branching cables or add splicing capacity of XOK joint closures.

Material: Acid-proof stainless steel (AISI 316) 1.5 mm
 Dimensions: 230 x 560 x 100 mm (W x L x H), excluding the inlet tubes.
 Weight: Approx. 3,7 kg

Prysmian Part Numbers

XJTSC00856 XOK 10305X Extension collar

Number and inner diameter of inlet tubes 3 x \varnothing 20mm
 Includes rubber gasket, heat shrink tubes, earthing and fixing materials

XOK 10305X



XJTSC01178 XOK X Extension collar

Includes rubber gasket

XOK X



Please contact your local sales office listed on www.prysmiangroup.com