



**Reference:** 10282801  
**EAN 13:** 3427580830969

#### CONTACT

Market information  
 industryprojects.business@lynx<sup>eo</sup>.group.com

**International Designation:** TX<sup>®</sup> (I) 331 150/250V 4P0.75

#### INSTRUMENTATION, CONTROL AND COMMUNICATION CABLES

#### STANDARDS

**Produkt** IEC 60228

**Installation** IEC 60092-350; IEC 60092-360; IEC 60092-376

**Tests** a; IEC 60331-1 or 2; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

#### APPLICATION

TX<sup>®</sup> (I) 331 150/250 V fire resistant overall and individually screened twisted pair cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 180 minutes. These telecommunication and instrumentation cables show a strong protection against cross-talk and result into a good compromise between TX<sup>®</sup> (C) 331 and TCX<sup>®</sup> (C) 331 cables against external electromagnetic disturbances. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

#### Design

- 1. Conductor**  
Stranded bare copper class 2
- 2. Insulation**  
Mica tape + XLPE (cross-linked polyethylene)
- 3. Individual screen**  
Alu/polyester tape with a tinned copper drain wire
- 4. Outer sheath**  
Polyolefin SHF1  
Colour: orange

Example of marking:

LYNXEO 279 TX (I) 331 150/250 V "n x 2 or 3 x s" mm<sup>2</sup> 90 °C - IEC 60092-376 IEC 60332-3-22 Cat. A IEC 60331-1/2 ww/yy - CE + metric marking

Core Identification

Pair: white / blue with printed with pair number

Triad: white / blue / red with printed with triad number



Halogenfrei  
IEC 60754-1



Leiterflexibilität  
KL.2=mehrdrähtig



Nennspannung U<sub>o</sub>/  
U  
150 / 250 (300) V



Feuerbeständig  
IEC 60331-1 or -2



Flammwidrig  
EN IEC 60332-3-22  
(cat A)



Rauchdichte  
IEC 61034



Korrosivität der  
(Brand-)Gase  
niedrig, gem. IEC  
60754-2



Elektromagnetisch  
geschirmt  
Ja

**CHARACTERISTICS****Konstruktionsmerkmale**

Halogenfrei	IEC 60754-1
Leitermaterial	Kupfer, blank
Leiterflexibilität	KL.2=mehrdrähtig
Isolierung	XLPE + Mica tape
Schirm	Aluminium-Polyester tape
Beidraht	Kupfer, verzinkt
Außenmantel	Polyolefin
Mantelfarbe	Orange

**Abmessungsmerkmale**

Anzahl Paare	4
Anzahl der Dreier	-
Leiterquerschnitt	0,75 mm <sup>2</sup>
Außendurchmesser Mindestwert	13,8 mm
Außendurchmesser, nom.	14,8 mm
Maximaler Außendurchmesser	15,8 mm
Nettogewicht ca.	206 kg/km

**Elektrische Eigenschaften**

Nennspannung U <sub>o</sub> /U	150 / 250 (300) V
Max. Gleichstromwiderstand des Leiters bei 20° C	52 Ohm/km

**Anwendungsmerkmale**

Feuerbeständig	IEC 60331-1 or -2
Flammwidrig	EN IEC 60332-3-22 (cat A)
Rauchdichte	IEC 61034
Korrosivität der (Brand-)Gase	niedrig, gem. IEC 60754-2
Elektromagnetisch geschirmt	Ja
Betriebstemperatur	-30 ... 80 °C
Max. Betriebstemperatur am Leiter	90 °C

**OTHER CHARACTERISTICS****Test Voltage**

AC between cores of the same unit..... 1.5 kV AC

**Minimum bending radius for fixed installations**

• TX® (I) 331..... 6 x outer diameter