



INNOVCABLE RE-2X(St)2YSWBY-fl



- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 4 and IEC 60228 cl. 4
- Vein insulation: XLPE (special cross-linked polyethylene) 90°C
- White and black veins identified by sequential numerical engraving.
- Twisted pairs in layers.
- General shielding in aluminized polyester tape + 0.5mm² SN drain wire.
- Intermediate protective layer in special PE in black colour.
- Reinforced protection of galvanized steel wire braid.
- Outer cover: special PVC resistant to oils, greases, acids.
- BLACK or BLUE outer jacket for intrinsically safe systems and as required by the application.
- Rated voltage: 300V
- Test voltage: 1.500 V
- Conductor resistance
 - 0,5mm² - max.36,7 MΩXKm;
 - 0,75mm² - max.25,0 MΩXKm;
 - 1,5mm² - max.14,2 MΩXKm;
- Insulation resistance: Min.5 GΩX Km.
- Capacitance: max 115 nF/Km
- Inductivity: ca. 1mH/Km
- Coupling: max 500nF/ 500m
- Min. bending radius:10 x d

Identification

INNOVCABLE INSTRUMENTATIONCABLE INTRINSICALLY SAFE RE-2X(St)2YSWBY-fl n x 2 x mm² 300V 90°C OF: XXXX/YE.

Applicable Specifications



NBR 10300

EN 50288-7

DIN VDE 0295 CLASS 4

IEC 60228 CLASS 4

IEC 60079-14

IEC 60332-1-2 and IEC 60332-3-24

IEC 60079-14 zone 1+2 group II

Applications

Instrumentation cable for lossless transmission, measurement and process control technology of analogue and digital signals. For use in intrinsically safe systems Zone 1 and Zone 2 Group II classified areas according to IEC 60079-14. It has UV protection (external use). Flameproof and flame retardant according to IEC 60332-1-2 and IEC 60332-3-24. Resistant to oils, greases, acids. Additional mechanical protection through intermediate frame. Suitable for dry and wet environments. More stable at high frequencies and temperatures (90°C) due to XLPE (cross-linked PE) material Low attenuation and minimization of crosstalk effect due to special and differentiated shielding. Triple mechanical protection and protection against electromagnetic interference.

Maximum Conductor Temperature

-40° C / +90° C

- Flame retardant in accordance with IEC 60332-1-2 and IEC 60332-3-24



- Can be made with other insulations:
Vein insulation material / other temperatures:
PVC/E -105°C
XLPE - 125 °C
HEPR - 90 °C
PE - 80 °C

Notes

We can manufacture other configurations on request.

1- Tinned Copper Conductor.

Stranding class 5.

2- Different sections and number of veins.

3- Insulation material of the veins / other temperatures:

PVC/E -105 °C

XLPE - 125 °C

HEPR - 90 °C

PE - 80 °C

4- Material of the intermediate layer and the cover:

PE

PVC/E

PVC/ST2

Special PVC resistant to oils, grease and other chemicals.

LSZH (non-halogenated polyolefin compound).

5- Perfectly cylindrical cover for cable gland applications in classified areas (Ex)

- We can produce upon request several other cable options and configurations. Innovcable reserves the right to change this catalogue without prior notice.



DADOS DIMENSIONAIS

Dimensional n x2 xmm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
1X2X0,5	9,4	15,0	125,0
2X2X0,5	11,9	24,0	186,0
4X2X0,5	13,9	44,0	233,0
8X2X0,5	16,7	84,0	341,0
12X2X0,5	19,7	123,0	445,0
16X2X0,5	21,9	163,0	542,0
24X2X0,5	24,9	242,0	705,0
1X2X0,75	9,7	17,0	131,0
2X2X0,75	13,4	34,0	213,0
4X2X0,75	15,2	64,0	292,0
8X2X0,75	18,2	124,0	423,0
12X2X0,75	21,4	184,0	557,0
16X2X0,75	23,2	244,0	671,0
24X2X0,75	27,2	364,0	865,0

Dimensional n x2 xmm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
1X2X1,5	10,5	34,0	163,0
2X2X1,5	13,7	60,0	245,0
4X2X1,5	17,2	114,0	370,0
8X2X1,5	21,2	218,0	561,0
12X2X1,5	25,0	322,0	775,0
16X2X1,5	27,2	426,0	925,0
24X2X1,5	30,2	684,0	1.300,0
1X3X1,5	11,5	50,0	188,0