

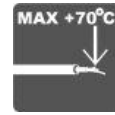
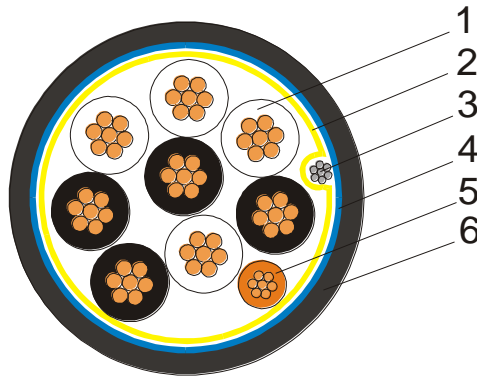
# RE-2X(St)Yv 1,3mm<sup>2</sup>

## 300V

Based on EN 50288-7  
TT1-6778 23-09-2020



Instrumentation cable



### CONSTRUCTION

<b>1. Conductors:</b>	plain annealed copper wire class 2
<b>Insulation:</b>	XLPE
<b>2. Wrapping:</b>	polyester tape
<b>3. Drain wire</b>	tinned drain wire 0,5mm <sup>2</sup>
<b>4. Collective screen:</b>	AL/PET tape
<b>5. Wire</b>	Communication wire (for 2 pairs and more)
<b>6. Sheath:</b>	special flame retardant PVC compound type TM1 FR

### CHARACTERISTIC

<b>Colour code:</b>	black / white, continuously numbered on white core (1,2...)
<b>Colour of sheath:</b>	black or blue (for intrinsically safe systems)
<b>Communication wire</b>	orange
<b>Conductors Construction</b>	7x0.49
<b>Maximum conductor operating temperature:</b>	+70°C
<b>Lowest ambient temperature for fixed installation:</b>	-30°C
<b>Lowest installation temperature:</b>	-5°C
<b>Minimum bending radius:</b>	8 x D, D – overall diameter
<b>Flame propagation:</b>	IEC 60332-1-2

### ELECTRICAL PARAMETERS

Electrical parameters at 20°C		Units	Conductor size
			1.3mm <sup>2</sup>
<b>Maximum conductor resistance:</b>		Ω/km	14.3
<b>Working capacitance:</b>	Single pair	nF/km	max. 120
	Up to 4 pairs	nF/km	max. 90
	Above 4 pairs	nF/km	max. 75
<b>Test voltage:</b>	Wire-wire	V	2000
	Wire-screen	V	1000

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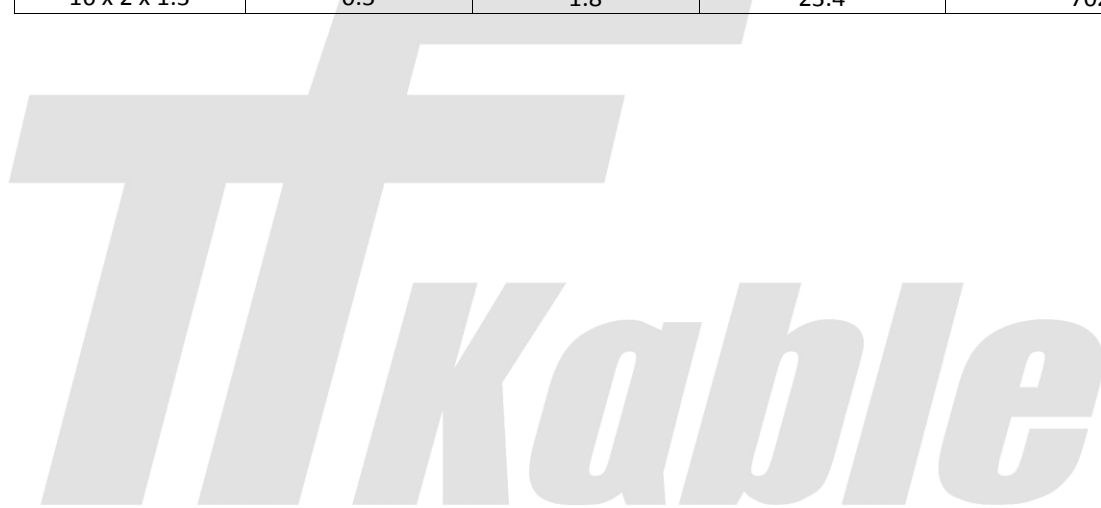


### APPLICATIONS

For transmission of analogous and digital signals in and around process plants. Suitable for use mainly by the chemical and petrochemical industries, in dry and damp industrial areas, not recommended for underground burial. Instrumentation cables are not intended for direct connection to a low impedance source, e.g. the public mains electricity supply.

<b>Standard length cable packing</b>	500 m and 1000 m on drums. Other forms of packing and delivery are available on request.
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SIZE	Nominal thickness of insulation	Nominal thickness of sheath	Approx. O.D. of cable	Approx. weight of cable
<b>n x 2 x mm<sup>2</sup></b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>kg/km</b>
16 x 2 x 1.3	0.5	1.8	23.4	702



All information contained in this document, including the tables and drawings, are provided for information only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE S.A.

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