

ID-CABLES INSTRUMENTATION

Instrumentation cable according to NF M 87-202



<p>Isolation: PVC selon NF M 87-202 Color code: IP: Pair: White - Red EN: Third: White - Red - Blue IQ: Quarter: White - Red - Blue - Yellow For the «EG» cables, multipair and multiterces are identified by numbering on the white conductor.</p>	
<p>Conductor: Red copper «05» : 1 × 0,80 mm – section 0,50 mm² «09» : 7 × 0,40 mm – section 0,88 mm² «15» : 7 × 0,52 mm – section 1,43 mm²</p>	
<p>General PES Ribbon</p>	
<p>Armoring: EG: Aluminum/PES strap + Tinned copper grounding lug</p>	
<p>Armor: for the «FA» only 2 steel strapping bands Sheath: PVC résistant aux hydrocarbures aliphatiques Blue</p>	
<p>Outer sheath: PVC résistant aux hydrocarbures aliphatiques Light Blue or Gray</p>	

FT 4 08/06/2017/EN

PRODUCT INFORMATION

APPLICATION

The ID-CABLES INSTRUMENTATION instrumentation cables are used for the transmission of analog measurement signals in the chemical, petrochemical, and paper industries. Their sheath is resistant to aliphatic hydrocarbons, and they have a double steel foil in reinforced version.

DESCRIPTION OF THE CABLE

Assemblage:
Elementary: in pairs, thirds, or fourths.
General: helically wound in concentric layers under Polyester tape.

ELECTRICAL PROPERTIES

Service voltage:	500 V
Test voltage:	
- cond./ cond. :	1500 V (AC 50Hz)
- cond./ screen:	1000 V (AC 50Hz)
Electrical resistance at 20°C:	
0.50 mm ² <	37.5 Ω/km
0.88 mm ² <	21.4 Ω/ km
1.50 mm ² <	12.3 Ω/km
Capacity:	
- cond/cond:	0.50 mm ² < 145 pF/m
- cond/cond:	0.88 mm ² < 160 pF/m
- cond/cond:	1.50 mm ² < 200 pF/m

CHARACTERISTICS



Fire resistance:
EN 60332-1
EN 50575 :2014 + A1 :2016 Eca








Service temperature:
-15°C to +80°C



Compliant with the RoHS directive

Resistance to aliphatic hydrocarbons
NF M 87-202 Annex A

PRODUCT REFERENCES						
	Composition	Color Ext. sheath	SF cable / unarmored		FA cable / Armoured	
						
03 IP 05 EG xx	3 × 2 × 0,50 mm ²	Blue	8.4	84	11.2	191
07 IP 05 EG xx	7 × 2 × 0,50 mm ²	Blue	10.9	157	13.9	300
12 IP 05 EG xx	12 × 2 × 0,50 mm ²	Blue	13.9	255	17.1	441
19 IP 05 EG xx	19 × 2 × 0,50 mm ²	Blue	17.1	388	20.5	624
12 IT 05 EG xx	12 × 3 × 0,50 mm ²	Blue	15.9	366	19.3	586
01 IP 09 EG xx	1 × 2 × 0,88 mm ²	Blue	6.6	60	9.4	146
01 IP 09 EG xx	1 × 2 × 0,88 mm ²	Gray	6.6	60	9.4	146
03 IP 09 EG xx	3 × 2 × 0,88 mm ²	Blue	11.2	126	14.5	261
07 IP 09 EG xx	7 × 2 × 0,88 mm ²	Blue	15.0	252	18.4	436
12 IP 09 EG xx	12 × 2 × 0,88 mm ²	Blue	19.2	412	22.8	653
12 IP 09 EG xx	12 × 2 × 0,88 mm ²	Gray	19.2	412	22.8	653
19 IP 09 EG xx	19 × 2 × 0,88 mm ²	Blue	23.6	621	27.6	936
27 IP 09 EG xx	27 × 2 × 0,88 mm ²	Blue	27.2	864	32.0	1245
01 IT 09 EG xx	1 × 3 × 0,88 mm ²	Blue	7.0	70	9.8	166
01 IQ 09 EG xx	1 × 4 × 0,88 mm ²	Blue	7.5	85	10.3	187
01 IP 15 EG xx	1 × 2 × 1,50 mm ²	Blue	8.4	75	11.3	195
01 IT 15 EG xx	1 × 3 × 1,50 mm ²	Blue	8.7	100	11.7	220
03 IP 09 EI xx	3 × 2 × 0,88 mm ²	Blue	14.5	223	18.7	440
07 IP 09 EI xx	7 × 2 × 0,88 mm ²	Blue	20.8	470	24.2	754
12 IP 09 EI xx	12 × 2 × 0,88 mm ²	Blue	26	778	31.8	1184
19 IP 09 EI xx	19 × 2 × 0,88 mm ²	Blue	32	1207	36.8	1727
27 IP 09 EI xx	27 × 2 × 0,88 mm ²	Blue	40	1634	42.2	2250
12 IT 09 EI xx	12 × 3 × 0,88 mm ²	Blue	29.4	970	32.5	1397

(xx = SF for non-armored cables and FA for armored cables)