

ID-CABLES INSTRUMENTATION

Instrumentation cable according to NF M 87-202



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

Isolation:

PVC selon NF M 87-202

Color code:

IP : Pair: White - Red

IT: Tierce: White - Red - Blue

IQ : Quartet : White - Red - Blue - Yellow

For the «EG» cables, the identification of multipairs and multitierces is done by numbering on the white conductor.

General Ribbon EPS

Aarmor:

«EG»: Aluminum/PES Tape + Tinned Copper Grounding Strip

Aarmor:

For «FA» only: 2 steel straps

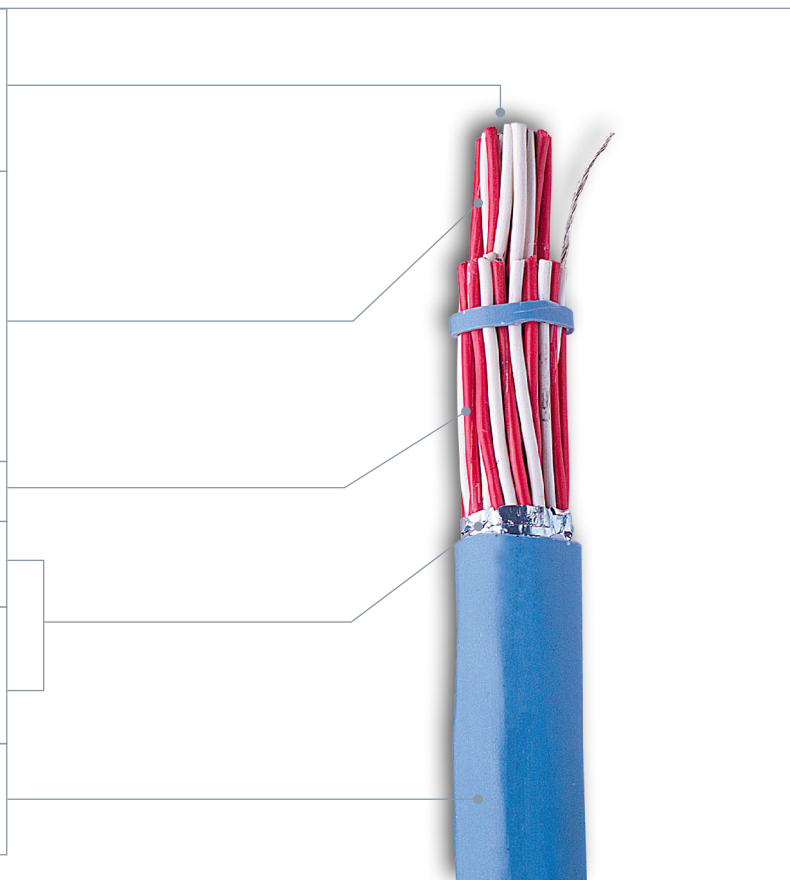
Sleeve: PVC resistant to aliphatic hydrocarbons

Blue

Outer sheath:

PVC résistant aux hydrocarbures aliphatiques

Light blue or Gray



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PRODUCT INFORMATION

APPLICATION

The instrumentation cables ID-CABLES INSTRUMENTATION 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 tape in armored version.

ELECTRICAL PROPERTIES

Service voltage:	500 V
Test voltage:	
- condition/ condition. :	1500 V (AC 50Hz)
- condition / 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:	
- condition/condition:	0.50 mm ² < 145 pF/m
- condition/condition:	0.88 mm ² < 160 pF/m
- condition/condition:	1.50 mm ² < 200 pF/m

DESCRIPTION OF THE CABLE

Assemblage:

Elementary: in pairs, thirds, or fourths.

General: helical winding in concentric layers under Polyester tape.

FEATURES



Fire resistance:

EN 60332-1

EN 50575 :2014 + A1 :2016 Eca



Serving temperature:

-15°C to +80°C



In compliance with the RoHS directive.

Resistance to aliphatic hydrocarbons
NF M 87-202 Annex A

PRODUCT REFERENCES

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

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