



Oil & Gas - Cable Solutions

Refineries & Petrochemical - Onshore

Instrumentation Cables

ICEA S-82-552 (NEMA WC55)

LOW Voltage AIRGUARD™ Instrumentation 600 V IS/OS Cu/XLPE/AIRBAG™/PVC or LSZH

Instrumentation cables - pairs and triads - 600 V. Flame retardant, polymeric armored, PVC or LSZH jacket.

APPLICATION

Low Voltage AIRGUARD™ Instrumentation cables are designed for fixed installations in the harsh environments found in the heavy industrial markets. Its rugged polymeric AIRBAG™ armor and chemical barrier makes it the ideal choice for tough, harsh, environmental conditions. AIRGUARD™ cables provide the solution to the deficiencies often encountered with Type MC-HL cables including armor breakage during installation, applications requiring repeated flexing, and in areas with high vibration.

STANDARDS & APPROVALS

ASTM B3 & ASTM B8 (Conductors)

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UL 44 (XHHW-2 600V)

CSA 22.2 No. 38

CSA 22.2 No. 230

CSA 22.2 No. 239

UL 1202/FT4

CSA 22.2 No. 03 (Cold Bend/Cold Impact)

UL 2225 (TC-ER-HL Listed sizes only)

MSHA (Mine Safety & Health Administration)

DESIGN & CONSTRUCTION

1 CONDUCTOR

Annealed Class B copper conductor according to ASTM B3 & ASTM B8 from #16 AWG single and multi pairs and triads

2 INSULATION

Cross linked polyethylene (XLPE) XHHW-2

3 PAIR/TRIAD SHIELDING

An aluminum/ polyester tape with drain wire (100% coverage) is applied over each twisted pair or triad and over the cabled core. The single pair or single triad has only the overall shield.

4 FILLER

Solid rubber filler

5 ARMOURING/CHEMICAL BARRIER

Prysmian patented AIRBAG™ polymeric armor/chemical barrier

6 OUTER SHEATH

PVC meeting the requirements of CSA 22.2 No. 03 -40/-35 °C Cold bend/Cold impact or LSZH



CONTACT INFO:

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PERFORMANCES/RATINGS

FIRE BEHAVIOUR



Flame retardant in accordance with IEEE 120/FT4

CHEMICAL RESISTANCE



EXCELLENT

IMPACTS



Exceptional and vastly superior to any metallic armoured products

SMOKE DENSITY, CORROSIVITY AND TOXICITY



LOW EMISSION

MAX OPERATING TEMPERATURE



+90 °C

SHORT CIRCUIT TEMPERATURE



+250 °C

MIN. INSTALLATION TEMPERATURE



Cold bend / Cold impact
-40 °C / -35 °C

LEAD



Lead Free

QUALITY & TESTING

Prysmian has a built-in multi-step quality assurance program, covering the production process from cable design and raw material purchases to final inspection and testing documentation.

The ISO 9001 quality system of Prysmian Group (together with ISO 14001 and OHSAS 18001) has been assessed, approved and is currently audited by SGS.

This product information sheet is provided for reference only.

Please consult the factory or your representative to confirm all engineering information or refer to the related catalogues available in the local countries website.

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Group