Low Voltage AIRGUARD™ 0,6/1 kV
Cu/XLPE/AIRBAG™/PVC or LSZH

Power and control cables 0,6/1 kV. Flame retardant, polymeric armored, PVC or LSZH jacket.

APPLICATION
Low Voltage AIRGUARD™ Power & Control 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)
ICEA S-95-658 (NEMA WC70)
UL 44 (XHHW-2 600V)
CSA 22.2 No. 38
CSA 22.2 No. 230
CSA 22.2 No. 239 (Control Cables)
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 #14 AWG through 750 kcmil multiconductor Power cable conductors are assembled with three (3) bare copper ground wires per UL, ICEA, and ASTM
Control cable conductors are assembled with one (1) green insulated ground conductor

2 INSULATION
Cross linked polyethylene (XLPE) XHHW-2

3 FILLER
Solid rubber filler

4 ARMORING/ CHEMICAL BARRIER
Prysmian patented AIRBAG™ polymeric armor/chemical barrier

5 OUTER SHEATH
PVC meeting the requirements of CSA 22.2 No. 03 -40/ -35 °C Cold bend/Cold impact or LSZH
Oil & Gas - Cable Solutions

Refineries & Petrochemical - Onshore

Low Voltage & Control Cables
ICEA S-95-658 (NEMA WC70)

PERFORMANCES/RATINGS

FIRE BEHAVIOUR
IEE 1202/ FT4

CHEMICAL RESISTANCE
EXCELLENT

IMPACTS
Exceptional and vastly superior to any metallic armoured products

SMOKE DENSITY, CORROSIVITY AND TOXICITY
LOW EMISION

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.