

Gardex® ITC Armored Instrumentation Cable

PVC Insulation
Aluminum Armor
PVC Outer Jacket
UL Listed
105°C, 300 Volt
NEC Type PLTC and
Type ITC

Spec. RSS-8-009

Scope

Gardex® ITC is a UL listed instrumentation cable that provides outstanding performance in process control applications subject to high current or voltage interference. It may be installed in trays, ducts, conduits, self-supported or direct buried.

Features

- Welded armor forms an impervious barrier
- Superior mechanical properties
- Armor is impact and crush resistant
- Aluminum armor meets UL requirements as equipment grounding conductor
- Oil, sunlight, and moisture resistant
- Flame retardant
- Self-contained conduit and wiring system
- Aluminum sheath provides superior electrical shielding performance for A.C. drive applications
- Suitable for low temperature applications
- All jackets have printed sequential footage markers for improved inventory control

Performance Standards

- UL listed, NEC Type MC, UL 2250
- Approved for use in Class 1, Division 2 hazardous locations
- Cables pass 70,000 BTU/hr vertical tray flame test, as per UL 1581 and is UL listed for CT use
- Cables pass the ICEA 210,000 BTU/hr and 70,000 BTU/hr vertical tray flame tests and the IEEE-383 70,000 BTU/hr vertical tray flame test
- UL approved and marked with the "FT-4" designation (flame test)
- UL approved and marked with the "-40°C" designation meeting the cold impact requirement of CSA-C22.2 No. 0.3
- Individual insulated conductors are UL listed as Type FPL

Construction

Conductor:

Annealed, bare copper, Class "B" strand per ASTM B8

Insulation:

Flame retardant polyvinyl chloride (PVC)

Color Code:

ICEA Method 1; black, white for pairs - add red for triads with printed number

Pair/Triad Shield

Aluminum/polyester shield with drain wire

Communications Wire:

22 AWG stranded bare copper wire with polyvinyl chloride (PVC) insulation

Filler:

(When required)

Overall Shield:

Aluminum/polyester shield with drain wire

Inner Jacket:

Polyvinyl chloride (PVC)

Armor:

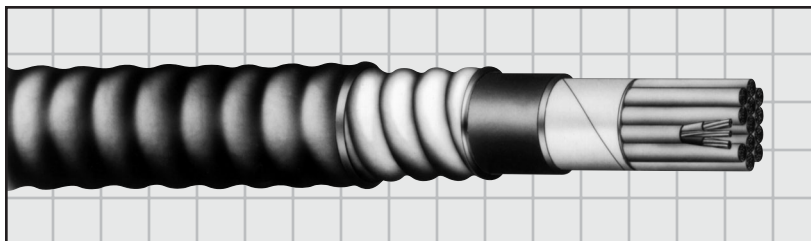
Welded, continuously corrugated aluminum

Overall Jacket:

Polyvinyl chloride (PVC)

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Gardex® ITC Shielded Twisted Pairs

Product Code	Size (AWG)	Number of Pairs	Number of Strands	Insulation Thickness (Inch)	Insulation Thickness (mm)	Inner Jacket Thickness (Mils)	Inner Jacket Diameter (Inch)	Armor Diameter (Inch)	Outer Jacket Thickness (Mils)	Outer Jacket Diameter (Inch)	Outer Jacket Diameter (mm)	Approximate Net Weight (Lbs/M')
S11-3511	16	1	7	15	.38	35	.25	.40	35	.47	11.94	110
S11-3512	16	2	7	15	.38	50	.44	.66	50	.76	19.30	241
S11-3513	16	4	7	15	.38	50	.51	.74	50	.84	21.34	316
S11-3514	16	8	7	15	.38	60	.68	.97	60	1.09	27.69	511
S16-3515	16	12	7	15	.38	60	.82	1.13	60	1.25	31.75	670
S16-3516	16	24	7	15	.38	70	1.14	1.46	70	1.60	40.64	1165

Gardex® ITC Shielded Twisted Triads

Product Code	Size (AWG)	Number of Triads	Number of Strands	Insulation Thickness (Inch)	Insulation Thickness (mm)	Inner Jacket Thickness (Mils)	Inner Jacket Diameter (Inch)	Armor Diameter (Inch)	Outer Jacket Thickness (Mils)	Outer Jacket Diameter (Inch)	Outer Jacket Diameter (mm)	Approximate Net Weight (Lbs/M')
S11-3517	16	1	7	15	.38	35	.27	.44	35	.51	12.95	129
S11-3518	16	4	7	15	.38	50	.58	.84	50	.94	23.88	400
S11-3519	16	6	7	15	.38	60	.71	1.02	60	1.14	28.96	580