

Scope

Abrasion Resistant TFE (ART) transit wires are intended for electrical or electronic use wherever a high temperature, abrasion resistant wire is required. The mineral reinforced TFE insulation provides

excellent mechanical strength plus outstanding fluid and solvent resistance at high temperatures. Both wires are standard wall thickness constructions with silver- or nickel-coated conductors.

Features

- Superior mechanical properties
- High temperature rating
- Excellent low temperature characteristics
- Excellent resistance to most chemicals and fluids

Performance Standards

- Meets all requirements of MIL-W-22759/5 and /6
- Temperature rating
Silver coated copper 200°C
Nickel coated copper 260°C
- Low temperature rating -65°C

Construction

Conductor

Silver or nickel coated copper

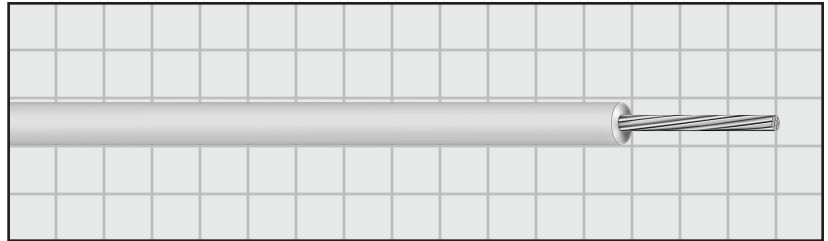
Insulation

Standard wall, extruded abrasion resistant TFE fluoropolymer.

Abrasion Resistant TFE Fluoropolymer 200°C and 260°C Transit Wire

Standard Wall
600 Volt

Spec. CAA1038



Product Number	Conductor Coating	Conductor Size (AWG)	(mm ²)	Stranding	Nominal Diameter (Inch)	(mm)	Approx. Weight (#/m')	(kg/km)
Silver Coated Conductor								
ARTS24S	Silver	24	.24	19/36	0.075	1.90	5.0	7.44
ARTS22S	Silver	22	.38	19/34	0.085	2.16	6.8	10.1
ARTS20S	Silver	20	.62	19/32	0.095	2.41	9.0	13.4
ARTS18S	Silver	18	.96	19/30	0.110	2.79	12.8	19
ARTS16S	Silver	16	1.23	19/29	0.125	3.17	15.9	24
ARTS14S	Silver	14	1.94	19/27	0.143	3.63	23.2	34
ARTS12S	Silver	12	3.08	19/25	0.160	4.06	33	49
ARTS10S	Silver	10	4.74	37/26	0.179	4.55	46	68
ARTS8S	Silver	8	8.61	133/29	0.248	6.30	82	122
ARTS6S	Silver	6	13.6	133/27	0.300	7.62	120	178
ARTS4S	Silver	4	22	133/25	0.355	9.02	184	274
Nickel Coated Conductor								
ARTS24N	Nickel	24	.24	19/36	0.075	1.78	5.0	7.44
ARTS22N	Nickel	22	.38	19/34	0.085	2.16	6.8	10.1
ARTS20N	Nickel	20	.62	19/32	0.095	2.41	9.0	13.4
ARTS18N	Nickel	18	.96	19/30	0.110	2.79	12.8	19
ARTS16N	Nickel	16	1.23	19/29	0.125	3.17	15.9	24
ARTS14N	Nickel	14	1.94	19/27	0.143	3.63	23.2	34
ARTS12N	Nickel	12	3.08	19/25	0.160	4.06	33	49
ARTS10N	Nickel	10	4.74	37/26	0.179	4.55	46	68
ARTS8N	Nickel	8	8.61	133/29	0.248	6.30	82	122
ARTS6N	Nickel	6	13.6	133/27	0.300	7.62	120	178
ARTS4N	Nickel	4	22	133/25	0.355	9.09	184	274

1. Standard color is white. Other colors are available upon request.