

## 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 reduced wall thickness constructions with silver- or nickel-coated conductors.

## Features

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

## Performance Standards

- Meets all requirements of MIL-W-22759/7 and /8
- Temperature rating  
Silver coated copper 200°C  
Nickel coated copper 260°C
- Low temperature rating -65°C

## Construction

### Conductor

Silver or nickel coated copper

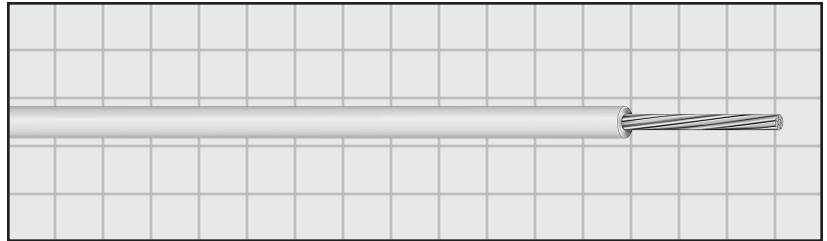
### Insulation

Reduced wall, extruded abrasion resistant TFE fluoropolymer.

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

Reduced Wall  
600 Volt

Spec. CAA1038



Product Number	Conductor Coating	Conductor Size (AWG)	(mm <sup>2</sup> )	Stranding	Nominal Diameter (Inch)	(mm)	Approx. Weight (#/m')	(kg/km)
<b>Silver Coated Copper</b>								
ARTR24S	Silver	24	.24	19/36	0.062	1.57	4.0	5.95
ARTR22S	Silver	22	.38	19/34	0.073	1.85	5.6	8.33
ARTR20S	Silver	20	.62	19/32	0.082	2.08	7.8	11.6
ARTR18S	Silver	18	.96	19/30	0.092	2.34	10.6	15
ARTR16S	Silver	16	1.23	19/29	0.102	2.59	13.2	19.6
ARTR14S	Silver	14	1.94	19/27	0.115	2.92	18.5	27
ARTR12S	Silver	12	3.08	19/25	0.134	3.40	27.1	40
ARTR10S	Silver	10	4.74	37/26	0.158	4.01	39.3	58
ARTR8S	Silver	8	8.61	133/29	0.220	5.59	71.6	106
ARTR6S	Silver	6	13.6	133/27	0.270	6.86	108	161
ARTR4S	Silver	4	22	133/25	0.328	8.33	165	245
<b>Nickel Coated Copper</b>								
ARTR24N	Nickel	24	.24	19/36	0.062	1.57	4.0	5.95
ARTR22N	Nickel	22	.38	19/34	0.073	1.85	5.6	8.33
ARTR20N	Nickel	20	.62	19/32	0.082	2.08	7.8	11.6
ARTR18N	Nickel	18	.96	19/30	0.092	2.34	10.6	15
ARTR16N	Nickel	16	1.23	19/29	0.102	2.59	13.2	19.6
ARTR14N	Nickel	14	1.94	19/27	0.115	2.92	18.5	27
ARTR12N	Nickel	12	3.08	19/25	0.134	3.40	27.1	40
ARTR10N	Nickel	10	4.74	37/26	0.158	4.01	39.3	58
ARTR8N	Nickel	8	8.61	133/29	0.220	5.59	71.6	106
ARTR6N	Nickel	6	13.6	133/27	0.270	6.86	108	161
ARTR4N	Nickel	4	22	133/25	0.328	8.33	165	245

1. Standard color is white printed with appropriate MIL spec information. Other colors are available upon request.