



Product: [M4220](#) 

COAX, 2C #20, Str, Polyethylene(PE), 750 V RMS

Product Description

COAX, 2 Conductor 20 AWG (7/28) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Tinned Copper Shield, Black Type IIA PVC Outer Jacket

Technical Specifications

Construction Details

RG Type:	108
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Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.079 in (2.0 mm)	Natural, Natural

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.235 in (5.97 mm)

Outer Jacket1 Table Notes:	Type IIA
Overall Cable Diameter (Nominal):	0.235 in (5.97 mm)

Electrical Characteristics

Electricals

Element	Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Conductor(s)	9.5 Ohm/1000ft (31 Ohm/km)	5.3 Ohm/1000ft (17 Ohm/km)	45.1 pF/ft (148 pF/m)	78 Ohm	66%

Voltage

Voltage Rating
750 V (Mil-Spec)

Mechanical Characteristics

Temperature

Operating
-40°C To +85°C

Bend Radius

Stationary Min.
2.3 in (58 mm)

Max. Pull Tension:	32 lbs (15 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
Military Compliance:	MIL-C-17
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire -* P/N M4220 2C 20 AWG RG108 TYPE CE ROHS
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History

Update and Revision:	Revision Number: 0.92 Revision Date: 05-18-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M4220 BK005	Black	Reel	100 ft
M4220 BK002	Black	Reel	500 ft
M4220 BK001	Black	Reel	1,000 ft

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