



## **Product Description**

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

# **Technical Specifications**

## Product Overview

sconstruction Details onductor Element Number of Element Size Stranding Material Pari(s) 1 1 16 AWG 19-29 TC - Tinned Copper sulation Element Material Nom. Thickness Nom. Insulation Diameter Color Code PVC - Polyvinyl Chioride 0.023 in (0.58 mm) 0.105 in (2.67 mm) Black & White uter Jacket Material Nom. Thickness Nom. Diameter PVC - Polyvinyl Chioride 0.023 in (0.58 mm) 0.105 in (2.67 mm) Black & White Uter Jacket Material 0.023 in (0.81 mm) 0.274 in (6.96 mm) Diveral Cable Diameter (Nominal): 0.274 in (6.96 mm) Diveral Cable Diameter (Nominal): 0.274 in (6.96 mm) Diveral Cable Diameter (Nominal): 0.274 in (6.96 mm) Electrical Characteristics Hetricals Element Nom. Conductor DCR Nom. Capacitance Cond-to-Cond Max. Current Pari(s) 4.52 Ohm/1000ft 33 pF/ft (110 pF/m) 18 Amps per Conductor at 30°C otage UL Voltage Rating 300 V (CMC), 300 V (UL AWM 2588) Rechanical Characteristics Emperature H Temperature Operating 307 20°C to +80°C ond Radius Element Min. Installation Min 27 in (69 mm) 2.7 in (69 mm)		
Non-Conductor DC Non-Thickness Non-Insulation Diameter Color Code           Sutation         Non-Thickness Non-Insulation Diameter Color Code           Par(s)         Non-Thickness Non-Insulation Diameter Color Code           Par(s)         PVC - Polyving Chioride         0.023 in (0.58 mm)           Output Chioride         Non-Thickness Non-Insulation Diameter Color Code           Par(s)         Non-Thickness Non-Diameter           Vec - Polyving Chioride         0.023 in (0.58 mm)           Output Chioride         0.023 in (0.58 mm)           Develoated Diameter (Nominal)         0.274 in (6.96 mm)           Develoate Diameter (Nominal)         0.274 in (6.96 mm)           Develoate Diameter (Nominal)         0.374 in (6.96 mm)           Develoate Characteristics         18 Amps per Conductor at 30°C           Dotty (CMG), 300 V (UL XWM 2598)         18 Amps per Conductor at 30°C           Develoate Characteristics         18 Amps per Conductor at 30°C           Develoate Characteristics         18 Amps per Conductor at 30°C           Develoate Characteristics         18 Amps per Conductor at 30°C           Develoate Characteris	Suitable Applications:	low voltage analog signals (4-20ma, 0-10v,); low voltage digital control (24v,); line level audio; computer communication; panel wirin
Beneric Number of Element         Size         Stranding         Material           Par(6)         1         16 AWG         19x29         TC - Tinned Copper           subation         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           Par(6)         PVC - Polyvinyl Chloride         0.023 in (0.58 mm)         0.105 in (2.67 mm)         Black & White           veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Color Code           Veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Black & White           veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Black & White           veraitie         0.023 in (0.68 mm)         0.274 in (6.96 mm)         Veraitie         Veraitie           veraitic         Lizard Characteristics         Veraitie         Mass. Current         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Mass. Current           Veraitie         A 52 Ohm/1000 ft         33 pr/ft (110 pF/m)         18 Amps per Conductor at 30°C         Nom. Conductor Stores           state         Veraitie         Veraitie         Veraitie         Veraitie         Veraitie           State         Veraitie         20°C to	Construction Details	
Beneric Number of Element         Size         Stranding         Material           Par(6)         1         16 AWG         19x29         TC - Tinned Copper           subation         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           Par(6)         PVC - Polyvinyl Chloride         0.023 in (0.58 mm)         0.105 in (2.67 mm)         Black & White           veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Color Code           Veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Black & White           veraitie         Veraitie         Nom. Thickness         Nom. Insulation Diameter         Black & White           veraitie         0.023 in (0.68 mm)         0.274 in (6.96 mm)         Veraitie         Veraitie           veraitic         Lizard Characteristics         Veraitie         Mass. Current         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Mass. Current           Veraitie         A 52 Ohm/1000 ft         33 pr/ft (110 pF/m)         18 Amps per Conductor at 30°C         Nom. Conductor Stores           state         Veraitie         Veraitie         Veraitie         Veraitie         Veraitie           State         Veraitie         20°C to	Conductor	
Pair(a)       1       16 AWG       19/29       TC - Tinned Copper         sulation       Material       Nom. Tickness       Nom. Insulation Diameter       Color Code         Parks(a)       PVC - Polyvinyl Chioride       0.023 in (0.58 mm)       0.105 in (2.67 mm)       Black & White         Uterial       Nom. Tickness       Nom. Diameter       Color Code         Material       Nom. Tickness       Nom. Diameter       Color Code         Voc - Polyvinyl Chioride       0.032 in (0.58 mm)       0.105 in (2.67 mm)       Black & White         Uterial       Nom. Tickness       Nom. Diameter       Color Code         Material       Nom. Tickness       Nom. Diameter       Color Code         Material       Nom. Tickness       Nom. Diameter       Color Code         Material       Nom. Tickness       Nom. Diameter       Color Code         Overall Cable Diameter (Nomid)       0.224 in (6.96 mm)       Material       Material       Material         Status         Status         Conductor DCR       Nom. Capacitance Cond-to-Cond       Material		nt Size Stranding Material
Binnent Material Nom. Thickness Nom. Insulation Diameter Color Code   Pair(s) PVC - Polyvinyi Chioride 0.023 in (0.58 mm) 0.105 in (2.67 mm) Black & White   Use an analysis of the second s		
Binnent Material Nom. Thickness Nom. Insulation Diameter Color Code   Pair(s) PVC - Polyvinyi Chioride 0.023 in (0.58 mm) 0.105 in (2.67 mm) Black & White   Use an analysis of the second s	nsulation	
Material       Nom. Thickness       Nom. Diameter         VC - Polyvinyl Chloride       0.032 in (0.81 mm)       0.274 in (6.96 mm)         Diverall Cable Diameter (Nominal):       0.274 in (6.96 mm)         Diverall Cable Diameter (Nominal):       0.274 in (6.96 mm)         Electrical Characteristics         Identical Characteristics         Identical Sectors         Identical Characteristics         Identical Characteristics <td></td> <td>Nom. Thickness Nom. Insulation Diameter Color Code</td>		Nom. Thickness Nom. Insulation Diameter Color Code
Material         Nom. Thickness         Nom. Diameter           PVC - PolyVinyl Chloride         0.032 in (0.81 mm)         0.274 in (6.96 mm)           Overall Cable Diameter (Nominal):         0.274 in (6.96 mm)           Citectrical Characteristics           Identitial         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Max. Current           Pair(s)         4.52 Ohm/1000ft         3 pF/ft (110 pF/m)         18 Amps per Conductor at 30°C           Oldage Rating           Solo V (CKG), 300 V (UL AWM 2596)           Overall Cable Derestores         Sectores	Pair(s) PVC - Polyvinyl Ch	loride 0.023 in (0.58 mm) 0.105 in (2.67 mm) Black & White
Material         Nom. Thickness         Nom. Diameter           PVC - PolyVinyl Chloride         0.032 in (0.81 mm)         0.274 in (6.96 mm)           Overall Cable Diameter (Nominal):         0.274 in (6.96 mm)           Citectrical Characteristics           Identitial         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Max. Current           Pair(s)         4.52 Ohm/1000ft         3 pF/ft (110 pF/m)         18 Amps per Conductor at 30°C           Oldage Rating           Solo V (CKG), 300 V (UL AWM 2596)           Overall Cable Derestores         Sectores	Outer Jacket	
Diverall Cable Diameter (Nominal): 0.274 in (6.96 mm) Electrical Characteristics Electrical S Electrical S Electrical S Electrical Characteristics Idechanical Characteristics Electrical Chara		m. Thickness Nom. Diameter
All Cable Weight: 94 lbs (43 kg) Bulk Cable Weight: 94 lbs (43 kg) Bulk Cable Weight: 94 lbs (43 kg) Bulk Cable Weight: 94 lbs (43 kg)	PVC - Polyvinyl Chloride 0.0	32 in (0.81 mm) 0.274 in (6.96 mm)
Idectricals         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Max. Current           Pair(s)         4.52 Ohm/1000ft         33 pF/ft (110 pF/m)         18 Amps per Conductor at 30°C           UL voltage Rating           300 V (CMG), 300 V (UL AWW 2598)           Idechanical Characteristics           Pair(s)           Source to the form of the for	Overall Cable Diameter (Nom	inal): 0.274 in (6.96 mm)
Nom. Conductor DCR Nom. Capacitance Cond-to-Cond Max. Current   Pair(s) 4.52 Ohm/1000ft 33 pF/ft (110 pF/m) 18 Amps per Conductor at 30°C   oligies   UL Voitage Rating   300 V (CMG); 300 V (UL AWM 2598)    Acherical Characteristics   Intellation Min.   30°C -20°C to +60°C   Stationary Min.   Installation Min.   27 in (99 min.   27 in (99 min.   27 in (99 min.   94 lbs (43 kg)   Suk Cable Weight:   94 lbs (43 kg)	Electrical Characteris	tics
Pair(s)       4.52 Ohm/1000ft       33 pF/ft (110 pF/m)       18 Amps per Conductor at 30°C         Otlage Rating         300 V (UL Voltage Rating	Electricals	
oltage UL Voltage Rating 300 V (CMG), 300 V (UL AWM 2598) Rechanical Characteristics emperature UL Temperature Operating 50°C -20°C to +60°C end Radius Stationary Min. Installation Min. 2.7 in (69 mm) 2.7 in (69 mm) Wax. Pull Tension: 94 lbs (43 kg) State Weight: 38 lbs/1000ft	Element Nom. Conductor	DCR Nom. Capacitance Cond-to-Cond Max. Current
UL Voltage Rating         300 V (CMG), 300 V (UL AWM 2598)         Rechanical Characteristics         Idechanical Characteristics         emperature         UL Temperature       Operating         30° C       -20° C to +60° C         end Radius         Stationary Min.       Installation Min.         2.7 in (69 mm)       2.7 in (69 mm)         Wax. Pull Tension:       94 lbs (43 kg)         Stationary Min.       94 lbs (43 kg)         Stationary Min.       94 lbs (43 kg)         Stationary Min.       94 lbs (1000ft	Pair(s) 4.52 Ohm/1000ft	33 pF/ft (110 pF/m) 18 Amps per Conductor at 30°C
300 V (CMG), 300 V (UL AWM 2598)	/oltage	
Acchanical Characteristics         emperature       Operating         50°C       -20°C to +60°C         end Radius         Stationary Min.       Installation Min.         2.7 in (69 mm)       2.7 in (69 mm)         VAx. Pull Tension:       94 lbs (43 kg)         Statk Cable Weight:       38 lbs/1000ft	UL Voltage Rating	
emperature JL Temperature Operating 50°C20°C to +60°C end Radius Stationary Min. Installation Min. 2.7 in (69 mm) 2.7 in (69 mm) Max. Pull Tensiur: 94 lbs (43 kg) Bulk Cable Weight: 94 lbs (1000ft)	300 V (CMG), 300 V (UL AW	vi 2598)
emperature JL Temperature Operating 50°C20°C to +60°C end Radius Stationary Min. Installation Min. 2.7 in (69 mm) 2.7 in (69 mm) Max. Pull Tensiur: 94 lbs (43 kg) Bulk Cable Weight: 94 lbs (1000ft)	Mechanical Characte	ristics
Operating           S0°C         -20°C to +60°C           end Radius           Stationary Min.         Installation Min.           2.7 in (69 mm)         2.7 in (69 mm)           Max. Pull Tension:         94 lbs (43 kg)           Bulk Cable Weight:         38 lbs/1000ft		
Soo°C     -20°C to +60°C       end Radius       Stationary Min.     Installation Min.       2.7 in (69 mm)     2.7 in (69 mm)       Wax. Pull Tensio∵     94 lbs (43 kg)       Bulk Cable Weight:     38 lbs/1000ft	Temperature	
Stationary Min.       Installation Min.         2.7 in (69 mm)       2.7 in (69 mm)         Max. Pull Tension       94 lbs (43 kg)         Bulk Cable Weight:       38 lbs/1000ft		
Stationary Min.     Installation Min.       2.7 in (69 mm)     2.7 in (69 mm)       Max. Pull Tension:     94 lbs (43 kg)       Bulk Cable Weight:     38 lbs/1000ft	-20 C to +	
2.7 in (69 mm)     2.7 in (69 mm)       Max. Pull Tension:     94 lbs (43 kg)       Bulk Cable Weight:     38 lbs/1000ft	Bend Radius	
Max. Pull Tension:     94 lbs (43 kg)       Bulk Cable Weight:     38 lbs/1000ft		
Sulk Cable Weight: 38 lbs/1000ft		
	Max. Pull Tension:	
tandards and Compliance	Bulk Cable Weight:	38 lbs/1000π
	Standards and Comp	liance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
AWM Compliance:	AWM 2598
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark

## History

Update and Revision:

Revision Number: 0.475 Revision Date: 12-16-2022

#### **Part Numbers**

#### Variants

ltem #	Color	Putup Type	Length	UPC/EAN
8471.00U152	Chrome	UnReel	152 m	8719605018229
8471.01152	Chrome	Reel	152 m	8719605018243
8471.00305	Chrome	Reel	305 m	8719605018212
8471.00U305	Chrome	UnReel	305 m	8719605018236
8471 060500	Chrome	Reel	500 ft	612825208556
8471 060U500	Chrome	UnReel	500 ft	612825208532
8471 0601000	Chrome	Reel	1,000 ft	612825208549
8471 060U1000	Chrome	UnReel	1,000 ft	612825208525
8471.001000	Chrome	Reel	1,000 m	8719605018205
8471 0605000	Chrome	Reel	5,000 ft	612825208563

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