Part Number: 8446

Audio/Control/Communication/Instrumentation, (4) 22 AWG (7x30) TC, (2) 18 AWG (19x30) TC, PVC/PVC, CMG

Product Description

Four 22 AWG stranded (7x30) and two 18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	6
18	19x30	TC - Tinned Copper	2

Conductor Count:	6
Conductor Size:	22 AWG

Insulation

Element	Material	Nominal Wall Thickness
22	PVC - Polyvinyl Chloride	0.011 in
18	PVC - Polyvinyl Chloride	0.019 in

Color Chart

Number	Color
22	Red
22	Green
22	Brown
22	Blue
18	White
18	Black

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.236 in	0.032 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR
22 AWG	15.5 Ohm/1000ft
18 AWG	6.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Ground	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	54 pF/ft	54 pF/ft

Shielding:	Unshielded

Current

Element	Max. Recommended Current [A]
22 AWG	2.5 Amps per conductor @ 25°C
18 AWG	5.6 Amps per conductor @ 25°C

Voltage

UL Description	UL Voltage Rating
UL AWM Style 2576	150V RMS
CMG	300 V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2576)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	39 lbs/1000ft
Max Recommended Pulling Tension:	78 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2576 (150 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL Voltage Rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
8446 060100	CHROME	
8446 0601000	CHROME	C
8446 060500	CHROME	C
8446 060U1000	CHROME	
8446 060U500	CHROME	

Footnote:	C - CRATE REEL PUT-UP.

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