

**Product:** [8725](#) 



Audio, Control and Instrumentation, 4 Pair 20 AWG Stranded, Shielded, CM

### Product Description

4 Pair 20 AWG stranded (7x28) TC conductors, polypropylene insulation, conductors cabled, Beldfoil® shield as noted (100% coverage), 22 AWG stranded TC drain wire, CM PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	4

Conductor Count:	8
Total Number of Pairs:	4

##### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.015 in

##### Color Chart

Number	Color
1	Red & Black
2	Green & White
3	White/Red & White/Black
4	White/Green & White/Yellow

##### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	Stranded

InnerShield, Table Note:	Shorting Fold
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##### Outer Shield Material

Material
No Shield

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.336 in	0.03 in

#### Electrical Characteristics

##### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
12.54 Ohm/1000ft	10.78 Ohm/1000ft

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
27 pF/ft	49 pF/ft

## Inductance

Nominal Inductance
0.19 $\mu$ H/ft

## Impedance

Nominal Characteristic Impedance
56 Ohm

## Current

Max. Recommended Current [A]
3.9 Amps per conductor @ 25°C

## Voltage

UL Voltage Rating
400 V RMS

## Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C

## Mechanical Characteristics

Bulk Cable Weight:	69 lbs/1000ft
Max Recommended Pulling Tension:	112 lbs
Min Bend Radius/Minor Axis:	3.375 in

## Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL 1581 (VW-1)
UL voltage rating:	400 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
8725 060500	Chrome	Reel	500 ft	612825214663
8725 0601000	Chrome	Reel	1,000 ft	612825214625

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

Notes:	Four groups of two conductors with drain wires, each group individually Beldfoil« shielded with polyester tape wrap. 22 AWG drain wire.
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## History

Update and Revision:	Revision Number: 0.275 Revision Date: 04-28-2020
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