

**Product:** [8787](#) 



Audio, Control and Instrumentation, 8 Conductor 24 AWG, Shielded Quads; 2 Conductor 22 AWG Unshielded

### Product Description

8 Conductor 24 AWG stranded (7x32) TC, shielded quads, polyethylene insulation, 24 AWG stranded TC drain wire; 2 Conductor 22 AWG stranded (7x30) TC, Unshielded, PVC insulation, 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
------------------------	---

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	8
22	7x30	TC - Tinned Copper	2

Conductor Count:	10
------------------	----

##### Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.012 in
PVC - Polyvinyl Chloride	0.015 in

##### Color Chart

Number	Color
1	Red Quad
2	White
3	Green Quad
4	Blue

##### Color Chart 2

Color
Gray, White, Blue, Green
Red Beldfoil®
Brown, Red, Yellow, Orange
Green Beldfoil®
White, Blue
Unshielded

##### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100%	TC - Tinned Copper	24	7x32
Tape	Alum / Poly	Beldfoil®	100%		TC - Tinned Copper	
Tape	Alum / Poly	Beldfoil®	100%			

Table Notes:	Gray, White, Blue, Green; Brown, Red, Yellow, Orange; White, Blue
--------------	---

##### Outer Shield Material

**Material**

No Shield

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.29 in	0.03 in

**Electrical Characteristics****Conductor DCR**

Element	Nominal Conductor DCR	Nominal Inner Shield DCR
24 AWG	23.9 Ohm/1000ft	5 Ohm/1000ft
	15 Ohm/1000ft	

**Current****Max. Recommended Current [A]**

1.5 Amps per Conductor at 25°C (24 AWG); 2.0 Amps per Conductor at 25°C (22 AWG)

**Voltage****Non-UL Voltage Rating**

350 V RMS

**Temperature Range**

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

**Mechanical Characteristics**

Bulk Cable Weight:	45 lbs/1000ft
Max. Pull Tension:	62.2 lbs
Min Bend Radius/Minor Axis:	3 in

**Standards**

CPR Euroclass:	Eca
----------------	-----

**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):	2005-04-01
MII Order #39 (China RoHS):	Yes

**Suitability**

Suitability - Indoor:	Yes
-----------------------	-----

**Flammability, LSOH, Toxicity Testing**

UL Flammability:	VW-1, UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2

**Plenum/Non-Plenum**

Plenum (Y/N):	No
---------------	----

**Part Number****Variants**

Item #	Color	Putup Type	Length	UPC
8787 060500	Chrome	Reel	500 ft	612825216391

8787 060U500	Chrome	UnReel	500 ft	612825216414
--------------	--------	--------	--------	--------------

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## Product Notes

Notes:	Inner Beldfoil« shield over 24 AWG quads. Each quad wrapped in transparent polyester tape. Red Beldfoil« shield over one quad, Green Beldfoil« shield over the other. (2) quads and (2) unshielded conductors cabled.
--------	---

## History

Update and Revision:	Revision Number: 0.266 Revision Date: 07-09-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89182-010-1000](#) [89705-008-500](#) [6000FE-877-1000](#) [CS2885-000](#) [M27500-20SP2S23](#) [6300FE-877-U1000](#) [6309UE-877-1000](#) [M3905-BK005](#)  
[6502FE 8771000](#) [6541PA-008-U1000](#) [CV6807-000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-](#)  
[0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [720451-000](#) [752687-000](#) [768146-000](#) [773159-000](#)  
[82841-877-5000](#) [83318E-009-500](#) [8348-060-500](#) [83559-002-1000](#) [83653-002-5000](#) [83659-002-1000](#) [83709-002-1000](#) [8404-060-500](#) [8469](#)  
[060100](#) [858171-000](#) [8628-060-500](#) [868361-001](#) [8730-060-1000](#) [8737-060-U1000](#) [8747-060-100](#) [8747-060-1000](#) [8769-060-1000](#) [8775-060-](#)  
[500](#) [877541-000](#) [8780-060-1000](#) [8782-001-U1000](#) [88444-002-1000](#) [9159-060-500](#) [9318-060-1000](#) [939870-000](#) [9423 060U500](#) [9444](#)  
[060U1000](#)