

Detailed Specifications & Technical Data

胜特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>



8770 Non-Paired - Audio, Control and Instrumentation Cable



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

18 AWG stranded (16x30) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	3
Total Number of Conductors	3
AWG	18
Stranding	16x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	.018 in.

OVERALL CABLING:

Overall Cabling Lay Length	1.5 in.
Overall Cabling Twists/ft.	8

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	3	Clear
2	Red		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold
Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.033 in.

Detailed Specifications & Technical Data

胜特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>



8770 Non-Paired - Audio, Control and Instrumentation Cable

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .246 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +60°C
UL Temperature Rating 60°C (UL AWM Style 2093)
Bulk Cable Weight 36.2 lbs/1000 ft.
Max. Recommended Pulling Tension 74 lbs.
Min. Bend Radius (Install) 2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CM
CEC/C(UL) Specification CM
AWM Specification UL Style 2093 (300 V 60°C)
EU CE Mark (Y/N) Yes
EU RoHS Compliant (Y/N) Yes
EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

FLAME TEST:

UL Flame Test UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N) N
Plenum Number 88770

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance 69 Ohms
Nom. Inductance .1844 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz 24 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 48 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C 6.6 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C 8.5 Ohms/1000 ft
Max. Operating Voltage - UL 300 V RMS (UL AWM Style 2093)
Max. Recommended Current 5.3 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8770 0601000	3 #18 LDPE FS PVC	1000	40	CHROME	C
8770 06010000	3 #18 LDPE FS PVC	10000	430	CHROME	C Y
8770 060500	3 #18 LDPE FS PVC	500	20.5	CHROME	C

Detailed Specifications & Technical Data

胜特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>



8770 Non-Paired - Audio, Control and Instrumentation Cable

8770 060U1000	3 #18 LDPE FS PVC	U1000	38	CHROME	
8770 060U500	3 #18 LDPE FS PVC	U500	20	CHROME	

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 2

Revision Date: 05-25-2005

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein 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 "AS IS" 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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.