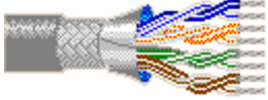


Part Number: 1401A



SCSI, #28-25pr, PO, O/A Foil+Braid, PVC Jkt, CMG

Product Description

SCSI, 28 AWG stranded (7x36) tinned copper conductors, flame-retardant polyolefin insulation, polypropylene buffer layer, twisted pairs, overall Beldfoil® shield + tinned copper braid shield (85% coverage), see color code chart (below), light gray PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	SCSI II
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
28	7x36	TC - Tinned Copper	25

Conductor Count:	50
Conductor Size:	28 AWG

Insulation

Material	Nominal Wall Thickness
FRPO - Flame Retardant Polyolefin	0.01 in

Color Chart

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White
3	White/Green & Green/White
4	White/Brown & Brown/White
5	White/Gray & Gray/White
6	Red/Blue & Blue/Red
7	Red/Orange & Orange/Red
8	Red/Green & Green/Red
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
13	Black/Green & Green/Black
14	Black/Brown & Brown/Black
15	Black/Gray & Gray/Black
16	Yellow/Blue & Blue/Yellow
17	Yellow/Orange & Orange/Yellow
18	Yellow/Green & Green/Yellow
19	Yellow/Brown & Brown/Yellow
20	Yellow/Gray & Gray/Yellow
21	Purple/Blue & Blue/Purple
22	Purple/Orange & Orange/Purple
23	Purple/Green & Green/Purple
24	Purple/Brown & Brown/Purple
25	Purple/Gray & Gray/Purple

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.42 in	0.029 in	Foam Polypropylene Binder Tape

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
64.9 Ohm/1000ft	2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
12.7 pF/ft	30 pF/ft

Shielding:	Foil + Braid(s)
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Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance	Nominal Characteristic Impedance Description
122 Ohm	31 Ohm	Differential TDR
84 Ohm	± 12 Ohm	Single Ended TDR

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	0.04 ns/ft	66 %

Current

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

Voltage

UL Voltage Rating
300V RMS

Mechanical Characteristics

Bulk Cable Weight:	93 lbs/1000ft
Max Recommended Pulling Tension:	180 lbs
Min Bend Radius/Minor Axis:	4.25 in

Standards

NEC/(UL) Specification:	CL2, CMG
CEC/C(UL) Specification:	CMG

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):	2005-10-13
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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
1401A F2V1000	GRAY, DEC	C
1401A F2V500	GRAY, DEC	C

Footnote:	C - CRATE REEL PUT-UP.
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