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 [Region](#) **USA** [Product Family](#) **Insulated Ferrules – Single Wire DIN End Sleeve** [Text Search](#): 'FSD77-10-D'

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These products terminate stranded wire for insertion into terminal blocks and provide superior termination performance. A wide assortment of ferrule styles and tool designs provides panel shops, OEM's, electrical distributors and end users with a proven way to make reliable connections at a lower installed cost.

- Polypropylene insulation housing conforms to DIN color requirements
- Meets DIN standards for single wire containment
- Funnel entry for faster insertion and lower installed cost
- Designed with a seamless barrel to contain loose wire strands for superior terminations
- Eases insertion of wire into terminal block
- Suitable for limited space panel applications
- Multiple pin lengths available for a variety of terminal blocks

| | |
|--------------------------------|--|
| Part Number: | FSD77-10-D |
| RoHS Compliancy Status: | Compliant |
| Part Description: | Polypropylene insulated ferrules – single wire DIN end sleeve. |
| Length (In.): | .65 |
| Length (mm): | 16.5 |
| Max. Wire Insul. Dia. (In.): | .11 |
| Panduit Color Code: | Red |
| Pin Length (In.): | .39 |
| Pin Length (mm): | 10.0 |
| Tool: | CT-1002, CT-1003, CT-1123 |
| Wire Range: | 18 AWG |
| Wire Range (mm ²): | 1.0 |
| Wire Strip Length (In.): | 17/32 |
| Wire Strip Length (mm): | 13.5 |
| Min. Order UOM: | PC |
| Min. Order Qty.: | 500 |
| BOM Qty. (# of Pkgs.) | |

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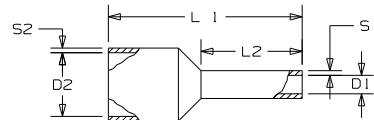
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| PART NO | WIRE RANGE (mm ²) AWG | COLOR | STRIP LENGTH (±0.075) | L1 | L2 | D1 | S1 | D2 | S2 | INSTALLATION TOOLS |
|------------|-----------------------------------|---------------|-----------------------|---------------|---------------|---------------|---------------|--------------|---------|--------------------|
| FSD72-6-D | (0,14) 26 | GRAY | (9,5) 3/8 | (10,5) .41 | (16,0) .24 | (0,8) .03 | (.25) | (2,0) .07 | (.25) | CT-1002 |
| FSD72-8-D | | | (11,9) 15/32 | (12,5) .49 | (18,0) .31 | (0,8) .03 | (.25) | (2,0) .07 | (.25) | |
| FSD73-6-D | | | (0,25) 24 | YELLOW | (9,5) 3/8 | (10,5) .41 | (16,0) .24 | (0,8) .03 | (.25) | |
| FSD73-8-D | (11,9) 15/32 | (12,5) .49 | | | (18,0) .31 | (0,8) .03 | (.25) | (2,0) .07 | (2,5) | |
| FSD74-6-D | (0,34) 24 | TURQUOISE | | | (9,5) 3/8 | (10,5) .41 | (16,0) .24 | (0,8) .03 | (.25) | (2,0) .07 |
| FSD74-8-D | | | (11,9) 15/32 | (12,5) .49 | (18,0) .31 | (0,8) .03 | (.25) | (2,0) .07 | (.25) | |
| FSD75-6-D | | | (0,50) 22 | WHITE | (9,5) 3/8 | (10,5) .41 | (16,0) .24 | (1,1) .04 | (.15) | (2,5) .09 |
| FSD75-8-D | (11,9) 15/32 | (13,5) .55 | | | (18,0) .31 | (1,1) .05 | (.15) | (2,5) .09 | (.25) | |
| FSD75-10-D | (13,5) 17/32 | (15,5) .61 | | | (10,0) .39 | (1,1) .04 | (.15) | (2,5) .09 | (.25) | |
| FSD76-6-D | (0,75) 20 | GRAY | (9,5) 3/8 | (12,0) .47 | (16,0) .24 | (1,3) .05 | (.15) | (2,8) .11 | (.25) | |
| FSD76-8-D | | | (11,9) 15/32 | (14,0) .55 | (18,0) .31 | (1,3) .05 | (.15) | (2,8) .11 | (.25) | |
| FSD76-10-D | | | (13,5) 17/32 | (16,0) .63 | (10,0) .39 | (1,3) .05 | (.15) | (2,8) .11 | (.25) | |
| FSD76-12-D | (15,9) 5/8 | (18,0) .71 | (12,0) .47 | (1,3) .05 | (.15) | (2,8) .11 | (.25) | (.25) | CT-1002 | |
| FSD77-6-D | (1) 18 | RED | (9,5) 3/8 | (12,5) .49 | (16,0) .24 | (1,5) .06 | (.15) | (3,0) .12 | (.30) | CT-1003 |
| FSD77-8-D | | | (11,9) 15/32 | (14,5) .57 | (18,0) .31 | (1,5) .06 | (.15) | (3,0) .12 | (.30) | CT-1123 |
| FSD77-10-D | | | (13,5) 17/32 | (16,5) .65 | (10,0) .39 | (1,5) .06 | (.15) | (3,0) .12 | (.30) | |
| FSD77-12-D | (15,9) 5/8 | (18,5) .73 | (12,0) .47 | (1,5) .06 | (.15) | (3,0) .12 | (.30) | (.30) | | |
| FSD78-6-D | (1,50) 16 | BLACK | (9,5) 3/8 | (12,5) .49 | (16,0) .24 | (1,8) .07 | (.15) | (3,0) .12 | (.30) | |
| FSD78-8-D | | | (11,9) 15/32 | (14,5) .57 | (18,0) .31 | (1,8) .07 | (.15) | (3,0) .12 | (.30) | |
| FSD78-10-D | | | (13,5) 17/32 | (16,5) .65 | (10,0) .39 | (1,8) .07 | (.15) | (3,0) .12 | (.30) | |
| FSD78-12-D | (15,9) 5/8 | (18,5) .73 | (12,0) .47 | (1,8) .07 | (.15) | (3,0) .12 | (.30) | (.30) | | |
| FSD78-18-D | (22,2) 7/8 | (24,5) .96 | (18,0) .71 | (1,8) .07 | (.15) | (3,0) .12 | (.30) | (.30) | | |

| PART NO | WIRE RANGE (mm ²) AWG | COLOR | STRIP LENGTH (±0.075) | L1 | L2 | D1 | S1 | D2 | S2 | INSTALLATION TOOLS |
|------------|-----------------------------------|--------|-----------------------|----------------|----------------|---------------|-------|---------------|-------|--------------------|
| FSD79-8-D | (2,08) 14 | YELLOW | (11,9) 15/32 | (14,5) .57 | (18,0) .31 | (2,1) .08 | (.15) | (3,6) .14 | (.30) | CT-1002 |
| FSD80-8-D | (2,50) 14 | BLUE | (11,9) 15/32 | (15,0) .59 | (18,0) .31 | (2,3) .09 | (.15) | (4,2) .17 | (.30) | |
| FSD80-12-D | | | (15,9) 5/8 | (19,0) .75 | (12,0) .47 | (2,3) .09 | (.15) | (4,2) .17 | (.30) | |
| FSD80-18-D | | | (22,2) 7/8 | (25,0) .98 | (18,0) .71 | (2,3) .09 | (.15) | (4,2) .17 | (.30) | |
| FSD81-10-D | (4) 12 | GRAY | (13,5) 17/32 | (17,5) .69 | (18,0) .31 | (2,9) .11 | (.20) | (4,8) .19 | (.30) | CT-1003 |
| FSD81-12-C | | | (15,9) 5/8 | (20,0) .79 | (12,0) .47 | (2,9) .11 | (.20) | (4,8) .19 | (.30) | CT-1123 |
| FSD81-18-C | | | (22,2) 7/8 | (26,0) 1.02 | (18,0) .71 | (2,9) .11 | (.20) | (4,8) .19 | (.30) | |
| FSD82-12-C | (6) 10 | YELLOW | (15,9) 5/8 | (20,0) .79 | (12,0) .47 | (3,6) .14 | (.20) | (6,2) .24 | (.30) | CT-1004 |
| FSD82-18-C | | | (22,2) 7/8 | (26,0) 1.02 | (18,0) .71 | (3,6) .14 | (.20) | (6,2) .24 | (.30) | |
| FSD83-12-C | | | (15,9) 5/8 | (21,0) .83 | (12,0) .47 | (4,6) .18 | (.20) | (7,5) .30 | (.30) | |
| FSD83-18-C | (10) 8 | RED | (22,2) 7/8 | (27,0) 1.06 | (18,0) .71 | (4,6) .18 | (.20) | (7,5) .30 | (.30) | CT-1123 |
| FSD84-12-C | | | (15,9) 5/8 | (23,0) .91 | (12,0) .47 | (6,0) .24 | (.20) | (8,8) .35 | (.40) | CT-1004 |
| FSD84-18-C | | | (22,2) 7/8 | (29,0) 1.14 | (18,0) .71 | (6,0) .24 | (.20) | (8,8) .35 | (.40) | CT-1104 |
| FSD85-16-L | (25) 4 | YELLOW | (15,9) 5/8 | (29,0) 1.14 | (18,0) .71 | (7,5) .30 | (.20) | (11,0) .43 | (.50) | CT-1005 |
| FSD85-18-L | | | (22,2) 7/8 | (31,0) 1.22 | (18,0) .71 | (7,5) .30 | (.20) | (11,0) .43 | (.50) | |
| FSD85-22-L | | | (25,4) 1 | (35,0) 1.38 | (22,0) .87 | (7,5) .30 | (.20) | (11,0) .43 | (.50) | |
| FSD86-16-L | (35) 2 | RED | (19,1) 3/4 | (30,0) 1.18 | (16,0) .63 | (8,5) .33 | (.20) | (12,5) .49 | (.50) | CT-1006 |
| FSD86-18-L | | | (22,2) 7/8 | (32,0) 1.26 | (18,0) .71 | (8,5) .33 | (.20) | (12,5) .49 | (.50) | |
| FSD86-25-L | | | (28,6) 1-1/8 | (39,0) 1.54 | (25,0) 1.00 | (8,5) .33 | (.20) | (12,5) .49 | (.50) | |
| FSD87-20-L | (50) 1 | BLUE | (23,8) 15/16 | (36,0) 1.42 | (20,0) .79 | (10,5) .41 | (.30) | (15,0) .59 | (.60) | CT-1006 |
| FSD87-25-0 | | | (28,6) 1-1/8 | (41,0) 1.61 | (25,0) 1.00 | (10,5) .41 | (.30) | (15,0) .59 | (.60) | |

NOTES:

- MATERIAL:
 - A. STAMPING - COPPER, TIN PLATED
 - B. HOUSING - POLYPROPYLENE, COLOR CODED
- DIMENSIONS IN BRACKETS ARE IN mm OR mm²
- FOR TOLERANCING REFER TO DIN 46228 PART 4
- PACKAGE QTY.:
 - 0:25
 - L:50
 - C:100
 - D:500



A41667_06

| | | | | | | | |
|---|-------|------|-----|---|---------|--|------|
| CAD FILENAME/LAYERS | | | | | | A41667 | |
| PANDUIT | | | | | | CORP TINLEY PARK, ILLINOIS | |
| FERRULE - SINGLE WIRE (DIN) | | | | | | | |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (XX) ± (XXX) ± ANGLES ± | | | | | | UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION | |
| 06 | 01/08 | JESH | LCA | UPDATED DRAWING PER DIN STANDARD | JESH | LCA | |
| 05 | 4/07 | BCT | BCT | MODIFIED PART LENGTH TO 'L'; MODIFIED MAX. WIRE INSUL. DIA. TO 2 DECIMAL PLACES | TRO0252 | TRO | LCA |
| 04 | 10/05 | DAW | DAW | MAX INSUL DIA COLUMN WAS ID-2. UPDATED ALL MAX INSULATION DIAMETERS. | TRO0027 | | |
| 03 | 1/01 | EJS | SKB | ADDED PACKAGE CODE TO PART NUMBER. ADDED NOTE 4 | 08912 | CCH | JAC |
| 02 | 3/99 | JKD | SKB | WIRE RANGE FOR CT-1003 TOOL WAS 14-8 AWG | 07519 | TRO | JCU |
| 01 | 3/99 | JKD | SKB | WIRE RANGE WAS 22 FOR FSD74-6 & -8, 20 FOR FSD75-6, -8 & -10 | 07488 | TRO | JCU |
| 00 | 2/99 | JKD | SKB | RELEASED | 07459 | TRO | JCU |
| REV | DATE | BY | CHK | DESCRIPTION | ECN # | PM | CUST |