



Indoor/Outdoor Distribution Cables

Revision Number: 5 Revision Date: 9.28.2022

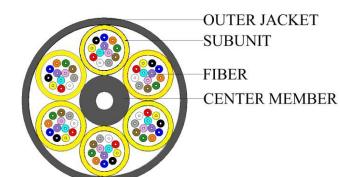


Standards:

- ICEA S-104-696
- RoHS
- ANSI/TIA-568-C.3

| Temperature Range | | | | | | | |
|-------------------|--|---|--|--|--|--|--|
| | Riser / LSZH | Plenum | | | | | |
| Operating | -40° C to $+70^{\circ}$ C -40° F to $+158^{\circ}$ F | -40°C to +70°C -40°F to +158°F | | | | | |
| Storage | -40° C to $+70^{\circ}$ C -40° F to $+158^{\circ}$ F | -40° C to $+70^{\circ}$ C -40° F to $+158^{\circ}$ F | | | | | |
| Installation | -10 [°] C to +60 [°] C 14 [°] F to +140 [°] F | 0^{0} C to +60 ^o C 32 ^o F to +140 ^o F | | | | | |

Belden's tight-buffered multi-fiber distribution cables are available in fiber counts from 2 to 144. These highly popular cables are designed for both indoor & indoor/outdoor applications. Distribution cables are available in plenum, riser, unitized & non-unitized constructions which fit a wide array of general purpose installations. Their small bend radius and 900µm tightbuffered fibers allow for fast installations and easy terminations.



| Glass Type | Fiber Grade Code (*) | Subunit Color | Operating Wavelength (nm) | Max Attenuation (dB/km) | Min. OFL Bandwidth (MHz-km) | Min. Laser Bandwidth (MHz-km) | l Gigabit Ethernet Min. Link Length (meters) | 10 Gigabit Ethernet Min. Link Length (meters) |
|-------------------------------------|----------------------------|------------------|---------------------------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| OS2 - Single Mode | S | Yellow | 1310/1550 | 0.5/0.5 | - | - | 5000/- | 10,000/40,000 |
| OM1 - 62.5/125mm Multi-Mode | 1 | Orange | 850/1300 | 3.5/1.25 | 200/500 | 220/- | 300/550 | 33/- |
| OM3 - 50/125mm Multi-Mode | 3 | Aqua | 850/1300 | 3.0/1.0 | 1500/500 | 2000/- | 1000/550 | 300/- |
| OM4 - 50/125mm Multi-Mode | 4 | Erika Violet | 850/1300 | 3.0/1.0 | 3500/500 | 4700/- | 1100/550 | 550- |
| OM5 - 50/125mm Multi- Mode | 5 | Lime Green | 850/1300 | 3.0/1.0 | 3500/500 | 4700/- | 1100/550 | 550- |
| | | | | | | | | |

© 2022 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure 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 ad specifications described herein are subject to error or omission and to change without notice, whether express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) 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 reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances)





Indoor/Outdoor Distribution Cables

Revision Number: 5 Revision Date: 9.28.2022

| Single Unit - UL Type OFNR / C(UL) OFNR FT4 | | | | | | | | | |
|---|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|--|--|
| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius | | |
| 2 | FD*D002R9 | 0.184 (4.7) | 14 (21) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 4 | FD*D004R9 | 0.200 (5.1) | 17 (25) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 6 | FD*D006R9 | 0.220 (5.6) | 20 (30) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 12 | FD*D012R9 | 0.260 (6.6) | 27 (40) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 24 | FD*D024R9 | 0.325 (8.3) | 42 (63) | 300 (1320) | 90 (400) | 15x Cable OD | 10x Cable OD | | |
| 1 Substitute (*) with | n Fiber Grade Code | | | | | | | | |

| Multi-Unit - UL Type OFNR / C(UL) OFNR FT4 | | | | | | | | | | |
|--|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|--|--|--|
| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius | | | |
| 24 ² | FD*D024RJ | 0.562 (14.3) | 108 (131) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |
| 36 | FD*D036RK | 0.688 (17.5) | 148 (220) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |
| 48 | FD*D048RK | 0.688 (17.5) | 157 (234) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |
| 72 | FD*D072RK | 0.823 (20.9) | 229 (341) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |
| 96 | FD*D096RK | 0.977 (24.8) | 344 (512) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |
| 144 | FD*D144RK | 1.100 (27.9) | 377 (561) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | | |

36 fiber count is also available in a 6F/Tube Design

© 2022 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure 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 herein on an "AS 15" basis, with no representations or warranties, whether express, statutory, or implied. In no event will Belden belable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) 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 reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances)





Revision Number: 5 Revision Date: 9.28.2022

| Single Unit – LSZH - UL Type OFNR / C(UL) OFNR FT4 | | | | | | | | | |
|--|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|--|--|
| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius | | |
| 2 | FD*D002L9 | 0.184 (4.7) | 14 (21) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 4 | FD*D004L9 | 0.200 (5.1) | 17 (25) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 6 | FD*D006L9 | 0.220 (5.6) | 20 (30) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 12 | FD*D012L9 | 0.290 (7.4) | 27 (40) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | | |
| 1 Substitute (*) with | n Fiber Grade Code | | | | | | | | |

| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius |
|-----------------|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|
| 24 ² | FD*D024LJ | 0.562 (14.3) | 112 (167) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 36 | FD*D036LK | 0.688 (17.5) | 165 (246) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 48 | FD*D048LK | 0.688 (17.5) | 164 (244) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 72 | FD*D072LK | 0.823 (20.9) | 237 (353) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 96 | FD*D096LK | 0.977 (24.8) | 356 (530) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 144 | FD*D144LK | 1.100 (27.9) | 391 (582) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |

36 fiber count is also available in a 6F/Tube Design

© 2022 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure 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 herein on an "AS 15" basis, with no representations or warranties, whether express, statutory, or implied. In no event will Belden belable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) 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 reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances)





Revision Number: 5 Revision Date: 9.28.2022

| Single Unit - UL Type OFNP / C(UL) OFNP FT6 | | | | | | | | |
|---|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|--|
| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius | |
| 2 | FD*D002P9 | 0.174 (4.7) | 14 (21) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | |
| 4 | FD*D004P9 | 0.174 (4.4) | 15 (22) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | |
| 6 | FD*D006P9 | 0.190 (4.8) | 15 (22) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | |
| 12 | FD*D012P9 | 0.230 (5.8) | 21 (31) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | |
| 24 | FD*D024P9 | 0.330 (8.4) | 40 (60) | 150 (660) | 45 (200) | 15x Cable OD | 10x Cable OD | |
| 1 Substitute (*) with | n Fiber Grade Code | | | | | | | |

| Multi-Unit - UL Type OFNP / C(UL) OFNR FT6 | | | | | | | | | |
|--|-----------------------------|-----------------------------|---------------------------------|------------------------------|-----------------------------------|--------------------------|----------------------------------|--|--|
| Fiber Count | Part Number ¹ | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install Load lbf (N) | Max. Long Term Load lbf (N) | Min. Bend Radius Load | Min. Long Term Bend Radius | | |
| 24 ² | FD*D024PJ | 0.527 (13.4) | 92 (137) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 36 | FD*D036PK | 0.623 (16.1) | 129 (192) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 48 | FD*D048PK | 0.623 (16.1) | 129 (192) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 72 | FD*D072PK | 0.756 (19.2) | 199 (296) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 96 | FD*D096PK | 0.900 (22.9) | 310 (461) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 144 | FD*D144PK | 1.065 (27.1) | 366 (545) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD | | |
| 1 Substitute (*) with 2 This is a 6F/Tube | | | | | | | | | |

36fiber count is also available in a 6F/Tube Design

© 2022 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure 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 herein on an "AS 15" 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) 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 reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances)





Indoor/Outdoor Distribution Cables

Revision Number: 5 Revision Date: 9.28.2022

© 2022 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure 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 herein on an "AS 15" 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) 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 reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances)