

Ribbon CABLE

The Best of Both Worlds

Ribbon cables offer significant space savings for high-density applications, and mass fusion splicing enables reduced installation costs and emergency restoration time.

Leviton offers a range of Berk-Tek ribbon cable solutions, including Indoor Plenum, Indoor Riser, Indoor/Outdoor Riser LSZH, and Outdoor Armored, available in fiber counts up to 1,728.

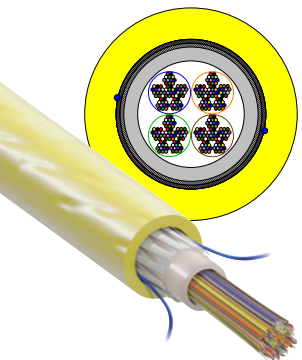
WHY RIBBON TECHNOLOGY?

Significant space savings using high fiber counts within reduced diameter cables.

- Ribbon cable is ideal for ducts, trays and cabinets
- Ribbons are easily separated for single-fiber splicing if needed

Less installation time and costs, and significantly reduced emergency restoration time, since mass fusion splicing is enabled.

- On 144F cables, mass fusion splicing 12F-to-12F requires 92% fewer splices than single fiber-to-fiber splicing
- Smaller footprint enabled in splice enclosures and telecommunications room fiber management



INDOOR FLEX

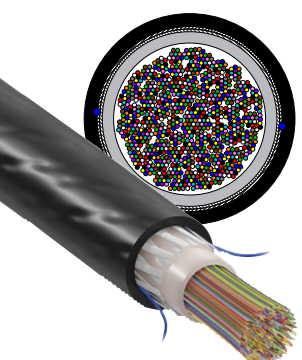
- Features single-mode 12-fiber ribbons with unique marking patterns for each ribbon number
- Ribbon flexibility allows for dense fiber packing and reduced cable diameter with non-preferential bend
- Space-saving flexible ribbon structure enables easy separation of the fibers from the matrix for splicing or termination to a MPO connector

RDPF INDOOR FLEX PLENUM

Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
144	12.0 mm (0.47 in)	153 kg/km (103 lbs/kft)
216	14.4 mm (0.57 in)	193 kg/km (130 lbs/kft)
288	14.4 mm (0.57 in)	200 kg/km (134 lbs/kft)

RDRF INDOOR FLEX RISER

Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
144	10.1 mm (0.40 in)	104 kg/km (70 lbs/kft)
288	14.4 mm (0.57 in)	153 kg/km (103 lbs/kft)



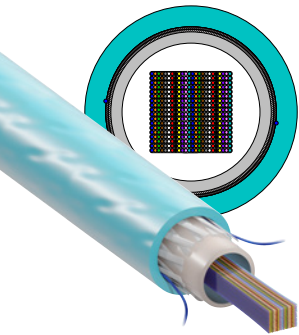
LSZH INDOOR/OUTDOOR RISER - FLEX

- Features a flame retardant outer jacket and single-mode 12-fiber flexible ribbons constructed of 250 μ m color-coded optical fiber for easy fiber identification
- Flexible ribbon construction is designed to both pack densely in small form factor cables and transform quickly, by hand only, to splice-ready form for rapid 12-fiber ribbon splicing
- This Low Smoke Halogen Free cable is designed for use in such areas as subway systems and tunnels

RDRZF-I/O LSZH INDOOR/OUTDOOR - FLEX RISER

Fiber Count	No. Fibers per Ribbon	Ribbons per Bundle	No. of Ribbon Bundles	Cable Diameter Nominal	Cable Nominal Weight
72	12	6	1	14.1 mm (0.56 in)	204 kg/km (137 lbs/kft)
144	12	6	2	14.1 mm (0.56 in)	212 kg/km (142 lbs/kft)
288	12	6	4	17.0 mm (0.67 in)	260 kg/km (175 lbs/kft)
432	12	6	6	18.5 mm (0.73 in)	329 kg/km (221 lbs/kft)
864	12	6	12	24.2 mm (0.95 in)	505 kg/km (338 lbs/kft)
1,728	12	6	24	28.6 mm (1.13 in)	752 kg/km (504 lbs/kft)

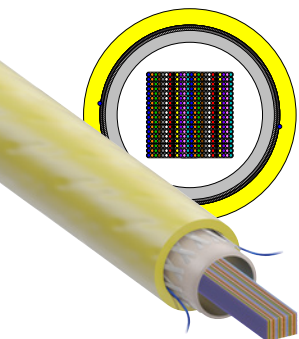
RIBBON CABLE: The Best of Both Worlds



INDOOR PLENUM

- Ideal for intra-building applications, allowing high fiber density and saving valuable duct space
- Dry central tube construction for easy installation and no-mess splicing
- Step-index single-mode or graded index multimode optical fiber options available
- Available in OS2, OM3, OM4

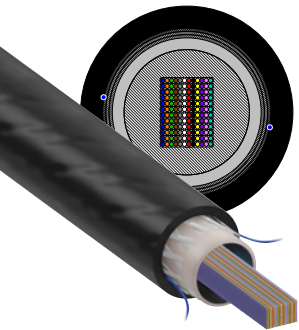
RDP INDOOR PLENUM		
Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
12-48	11.3 mm (0.44 in.)	128 kg/km (86 lbs/kft)
60-90	14.0 mm (0.55 in.)	192 kg/km (129 lbs/kft)
108-216	16.6 mm (0.65 in.)	257 kg/km (173 lbs/kft)
288-432	21.6 mm (0.85 in.)	392 kg/km (263 lbs/kft)



INDOOR RISER

- Perfect for indoor premises and riser applications, permitting rapid installation, preparation, and splicing
- Ribbons easily separated for single fiber splicing if needed
- Step-index single-mode or graded index multimode optical fiber options available
- Available in OS2, OM3, OM4

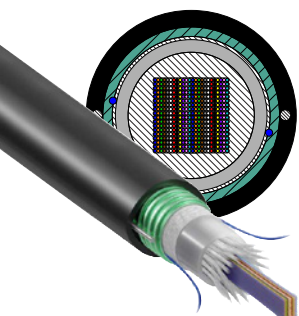
RDR INDOOR RISER		
Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
12-96	13.2 mm (0.52 in.)	151 kg/km (102 lbs/kft)
108-216	15.7 mm (0.62 in.)	190 kg/km (128 lbs/kft)
240-432	20.5 mm (0.81 in.)	313 kg/km (210 lbs/kft)
864 (single-mode only)	25.6 mm (1.01 in.)	478 kg/km (321 lbs/kft)



INDOOR/OUTDOOR RISER

- Eliminates the need to switch from an outside plant to a premise cable when transitioning from outside to inside plant
- Peelable ribbon matrix for easy fiber access
- Step-index single-mode or graded index multimode optical fiber options available
- Available in OS2, OM3, OM4

RDR-I/O INDOOR/OUTDOOR RISER		
Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
12-48	15.5 mm (0.61 in.)	152 kg/km (102 lbs/kft)
60-144	17.0 mm (0.67 in.)	230 kg/km (155 lbs/kft)



OUTDOOR ARMORED

- Features a dry water block yarn that eliminates flooding gels
- Intended for duct, direct buried, and lashed aerial installations
- Steel armored sheath construction adds compressive strength required for direct buried applications
- Available in OS2 only

RDOA OUTDOOR CABLE		
Fiber Count	Cable Diameter Nominal	Cable Weight Nominal
12-48	12.1 mm (0.48 in.)	147 kg/km (99 lbs/kft)
60-96	14.7 mm (0.58 in.)	208 kg/km (140 lbs/kft)
108-144	16.2 mm (0.64 in.)	252 kg/km (169 lbs/kft)
156-216	20.4 mm (0.80 in.)	305 kg/km (205 lbs/kft)
240-288	21.9 mm (0.86 in.)	371 kg/km (249 lbs/kft)
312-432	24.6 mm (0.97 in.)	425 kg/km (286 lbs/kft)