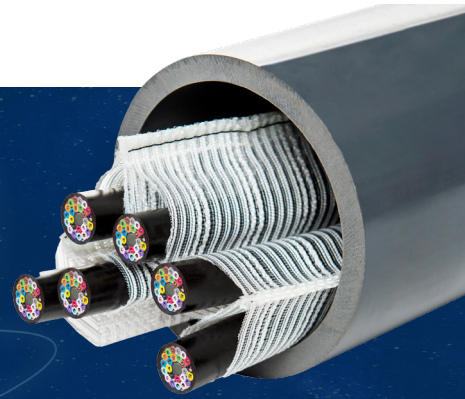




OptiCell™ Edge

52 mm Flexible Innerduct System



OptiCell™ Edge innerduct is a flexible fabric system designed specifically for increasing conduit capacity. The unique textile construction allows OptiCell™ innerduct to conform to the shape of cables placed within, greatly reducing wasted space and increasing cable deployment efficiency.

Technical Information

Material Fabric	Warp - Polyester Monofilament Filling - Nylon/Polyester
Pull Tape	High Tenacity Multifilament Polyester 12 mm/Optional 20 mm or 5.5 mm MaxGlide Rope
Sewing Line	Polyester
Temperature Range	-30°C to 100°C
Lubricate	100% Silicon Oil
Breaking Tensile	4-Cell > 1,800 kg 3-Cell > 1,300 kg 2-Cell > 900 kg 1-Cell > 500 kg
% Elongation @ 50 kgs	< 3%
Melting Point	>215°C
Thermal Expansion	8.4 mm/100 m/ 5°C
Detectable Wire	Optional AWG 18Ga. (0.75mm ²) Solid Core Copper with Vinyl and Nylon Insulation
Reel Length	1000 m (Standard) Min 500 m/Max 6300 (3-cell)
Chemical Resistance	Resistance to ground chemicals and petroleum products

Key Features

- Configurations in 1, 2, and 3-cells available for all products
- Available in Standard and Detectable versions
- Pre-installed color-coded pulling tapes are standard
- MaxGlide rope optional for difficult applications
- Pre-lubricated for lower pulling tensions

STANDARD

EDGE 5222-1	1-Cell Standard
EDGE 5222-2	2-Cell Standard
EDGE 5222-3	3-Cell Standard
EDGE 5222-4	4-Cell Standard

APPLICATION

Minimum Duct/Conduit ID (3-cell): 50 mm
Maximum cable diameter for each cell: 22 mm
See Design Manual for Overlay and Multiple packs installation.

ACCESSORIES

Milliken Pull Tapes (Standard)

MT565-xx	12 mm Pull Tape
MT815-xx	16 mm Pull Tape
MT1135-xx	20mm Pull Tape

Milliken Pull Tapes (Detectable)

DT565-xx	12 mm Pull Tape
DT815-xx	16 mm Pull Tape
DT1135-xx	20 mm Pull Tape

TOOLS FOR INSTALLATION

Swivel	Pull Tape	Vinyl Tape
Scissors	Extra Lubricant	Cable Grip

- x Designate color of thread RD (Red), BK (Black), BL (Blue), L (Yellow), GR (Green)
- xx Designate spool length 1000 (1000 m spool), 1500 (1500 m spool)

The information contained in this document is subject to change without notice.

For more information, email opticell@milliken.com

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