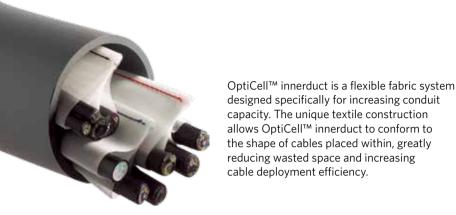
Milliken Infrastructure OptiCell[®] Flexible Innerduct System



Technical Information

Material Fabric Warp - Polyester Monofilament Filling - Nylon/Polyester Material Pull Tape High Tenacity Multifilament Polyester 12mm / Optional 20mm Bonded Polyester Sewing Line -30°C to 100°C Temperature range Lubricate 100% Silicon Oil **Breaking Tensile** 4-Cell >1600kg 3-Cell >1100kg 2-Cell >800kg 1-Cell >400kg <3% % Elongation @ 50kgs **Melting Point** >215°C **Thermal Expansion** 8.4mm/100m/5°C **Detectable Wire** Optional AWG 18Ga. (0.75mm2) Solid Core Copper with Vinyl and Nylon Insulation **Reel Length** 1000m (Standard) Min 500m/ Max 6300m (3-cell) **Chemical Resistance** Resistance to ground chemicals and petroleum products

Key Features

- Configurations in 1, 2, and 3-cells available for all products
- 4-cell configuration available in 44mm and 64mm sizes
- Available in Standard, Detectable, and Fire Resistant versions
- Pre-installed color-coded pulling tapes are standard
- Pre-lubricated for lower pulling tensions

4G 44mm Fabric Innerduct

Standard	
4G 4418-1*	1-Cell Standard
4G 4418-2*	2-Cell Standard
4G 4418-3*	3-Cell Standard
4G 4418-4*	4-Cell Standard
Detectable	
4G D4418-1*	1-Cell Detectable
4G D4418-2*	2-Cell Detectable
4G D4418-3*	3-Cell Detectable

Application

Minimum Duct/Conduit ID (3-Cell): 42mm See Design Manual for 1, 2, or 4-cell recommendations. Maximum cable diameter for each Cell: 18mm See Design Manual for Overlay and Multiple packs installation.

Supporting Products

Milliken Pull Tapes (Standard)

12mm Pull Tape
16mm Pull Tape
20mm Pull Tape

Milliken Pull Tapes (Detectable)

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

Tools for Installation

Swivel	Pull Tape
Scissors	Extra Lubricant
Vinyl Tape	Cable grip

* Designate color of thread RD(Red), BK(Black), BL(Blue), YL(Yellow), GR(Green)

xx Designate spool length 1000 (1000m spool), 1500 (1500m spool)

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

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