

Quick Reference Specification Sheet

4G 36mm Fabric Innerduct



MaxCell™ is a flexible fabric innerduct system designed specifically for increasing efficient cable deployments. The unique textile construction allows MaxCell™ to conform to the shape of cables placed within, greatly reducing wasted space.

Technical Information

| | |
|-----------------------|---|
| Material Fabric | Warp - Polyester Monofilament Filling - Nylon/Polyester |
| Material Pull Tape | High Tenacity Multifilament Polyester 565kg (5.54kN) / Optional 1135kg (11.13kN) |
| Sewing Line | High Tensile Polyester |
| Temperature range | -30°C to 100°C |
| Lubricate | 100% Silicon Oil |
| Friction | ~75% Lower Resistance |
| Breaking Tensile# | 1 Cell >379kgs 2 Cell >675kgs 3 Cell >970kgs |
| % Elongation @ 50kgs | <5% |
| Melting Point | >215°C |
| Thermal Expansion | 8.4mm/100m/5°C |
| Detectable Wire | Optional AWG 18Ga. (0.75mm ²) Solid Core Copper with Vinyl and Nylon Insulation |
| Reel Length | 2500m (Standard) Min 150m/ Max 7000m |
| Chemical Resistance** | Resistance to ground chemicals and petroleum products |

According to ASTM D5035.

** Refer to 4G Technical Manual for more details

Key Features

- Configurations in 1, 2, and 3 cells to match network requirements
- Available in Standard, Detectable, and Fire Resistant versions
- Pre-installed color-coded pulling tapes are standard
- Pre-lubricated for lower pulling tensions

Standard

| | |
|------------|-----------------|
| 4G 3614-1* | 1 Cell Standard |
| 4G 3614-2* | 2 Cell Standard |
| 4G 3614-3* | 3 Cell Standard |

Application

Minimum Duct/Conduit ID: 25mm
 Maximum cable diameter for each Cell: 12mm
 See Design Manual for Overlay and Multiple packs installation.

Accessories

Milliken Pull Tapes (Standard)

| | |
|-----------|------------------|
| MT565-xx | 565kg Pull Tape |
| MT815-xx | 815kg Pull Tape |
| MT1135-xx | 1135kg Pull Tape |

Milliken Pull Tapes (Detectable)

| | |
|-----------|------------------|
| DT565-xx | 565kg Pull Tape |
| DT815-xx | 815kg Pull Tape |
| DT1135-xx | 1135kg 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)

xx Designate spool length 900 (900m spool), 1500 (1500m spool)

Milliken Design, Inc.
 PO Box 220, Belfield NSW Australia
 Ph. +61 2 97035410
 MillikenInfraSol@milliken.com
 www.maxcell.com.au

