MaxCell™
FABRIC INNERDUCT
More Space. More Productivity.

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 >609kgs 2 Cell >1136kgs 3 Cell >1663kgs
% Elongation @ 50kgs	<5%
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	2500m (Standard) Min 150m/ Max 4900m (3 cell)
Chemical Resistance**	Resistance to ground chemicals and petroleum products

According to ASTM D5035.
** Refer to 4G Technical Manual for more details

Standard
4G 6428-1*	1 Cell Standard
4G 6428-2*	2 Cell Standard
4G 6428-3*	3 Cell Standard

Detectable
4G D6428-1*	1 Cell Detectable
4G D6428-2*	2 Cell Detectable
4G D6428-3*	3 Cell Detectable

Application
Minimum Duct/Conduit ID: 63mm
Maximum cable diameter for each Cell: 28mm
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)

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

Milliken™