

TuffDuct™

Direct Buried Microduct

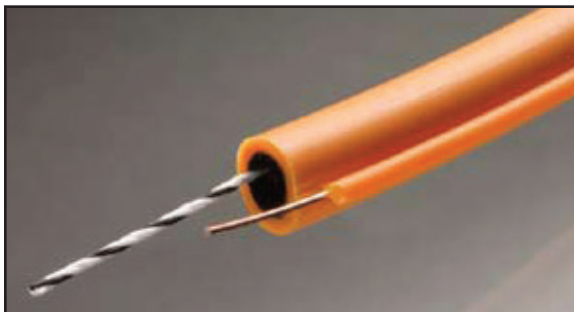
Authorized Partner

CORE
Telecom Systems

PPC
Innovate. Connect.
A BELDEN BRAND

TuffDuct™ – Direct Buried Microduct is a 10mm microduct for the routing of cables and optical fibers underground and is ultra tough. TuffDuct™ Ultra – Direct Buried Microduct is suitable for direct bury deployment thanks to the special polymer it is constructed from and is available with a tone-wire if required for locating purposes.

TuffDuct™ – Direct Buried Microduct has a ultra low-friction & low static DVC™ lining to assist in pulling, blowing and pushing of fiber or cable.



Applications

- FTTh/FTTx - Outdoor
- Telecoms

Advantages

- Ultra tough
- Ultra low friction & low static DVC™ lining aiding fiber installations
- Ultra high crush resistance
- Compact size OD perfect for slot trenching
- Can be direct buried
- Withstands high temperature e.g. exposure to bitumen
- Toneable version available with 0.75mm hard drawn copper clad steel wire. This is a low coil set product.
- Class-leading push and blow ability

Compatibility List

TuffDuct™ – Direct Buried Microduct is compatible with:

- QuikPush products
- High install tension suitable for all direct bury methods
- Low friction & low static DVC™ lining for excellent blow, push and pull properties
- Industry standard push-fit connectors
- Compatible with all microduct, fiber and cables

| Product Specifications | | | |
|------------------------|--|---|----------|
| Material | Property | Best for... | Color |
| PBT | Durable outdoor material, some UV resistance | All general applications | BLK, WHT |
| PA12 | (Nylon) Durable indoor material, European LSZH | Frequently accessed ODFs needing extra protection | WHT |
| MDPE | Standard cable jacket material | Aerial | BLK |
| HDPE | Harder & denser than MDPE | Direct bury | ORG |
| PVDF | Used for indoor & outdoor applications. Meets US fire ratings (OFNR) | Indoor use especially building risers | WHT |
| PP | Basic most cost effective grade | Protecting fiber in cabinets | ALL |
| PEMX | Specialized LSZH & riser material | Indoor use especially building risers | WHT, BLK |

• ISO9001 Production, REACH, ROHS, Certificate of Origin, EN 50411-6-1, IEC 60794-5

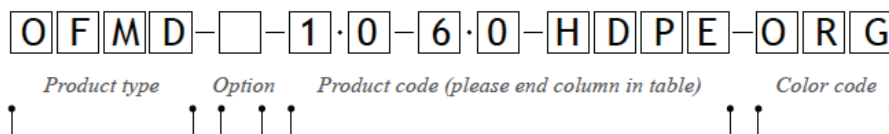
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Enquiry Information: Code Builder



Product Type

OFMD = Optical Fiber Microduct

Option

T = Tonewire

Unique Product Code

e.g. 1.0-6.0-PETD
(end column)

Color Code

(check availability)

BLK = Black

ORG = Orange

Pre-fibered Drop Duct Product List

| Material | OD | ID | Crush | Tension | Nominal Weight | Bend Radius | Bend Radius | Install Temp | Product Code |
|----------|------|------|-------|---------|----------------|-------------|-------------|--------------|--------------|
| | (mm) | (mm) | (n) | (n) | (kg/km) | (Passive) | (Active) | (Celsius) | |
| HDPE | 10 | 6.0 | 2000 | 800 | 49.1 | 10x OD | 5x OD | -10 to +60 | 1.0-6.0-HDPE |

Environmental Conditions:

Operating
Temperature:
-10°C / +60°C