

Aerial Solutions

Hybrid Drop Duct



Used by telecom companies who want to provide standard copper based telephony as a backup or disaster recovery solution, to a new fiber rollout. Hybrid Drop Duct is a hybrid duct and drop cable.

The duct section is reinforced to allow aerial suspension from overhead poles. Attached to which is an additional 0.4/0.5mm unshielded twisted copper pair (UTP).



Advantages

- Lightweight 32.9 Kg/km
- Suitable for lightweight poles
- Single person installation/stringing
- Future-proof solution allows for fiber replacement
- Ultra-low friction & low static DVC™ lining
- Integrated high tensile steel strength members
- Mechanical strength allows up to 68 meter span lengths (subject to environmental conditions)
- Includes UTP (unshielded twisted copper pair) providing standard telecoms connection
- Bend radius of 70mm
- Can provide power and data to many standard sockets

Applications

- FTTh/FTTx - Outdoor
- Broadband Networks

Compatibility List

Hybrid Drop Duct is compatible with:

- Blown fiber bundles up to 12 fibers at 250µm
- Loose tube multi-fiber unit
- Small micro cables
- Blow, pull and push cable deployment/drop methods

| Product Specifications | | | |
|------------------------|--|---|----------|
| Material | Property | Best for... | Color |
| PBT | Hardest & toughest outdoor material, some UV resistance | All general applications | BLK, WHT |
| PA12 | (Nylon) Hardest & toughest 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 |

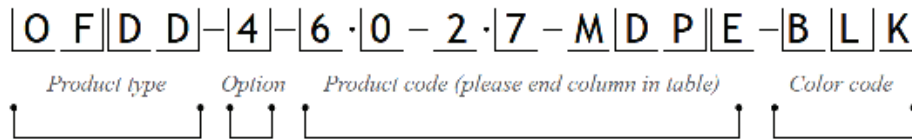
• ISO9001 Production, REACH, ROHS, Certificate of Origin, EN 50411-6-1, IEC 60794-5

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Enquiry Information: Code Builder



| Product Type | Option | Unique Product Code | Color Code |
|--------------------------------|--|--|--|
| OFDD = Optical Fiber Drop Duct | H = Hybrid <i>(includes pullcord as standard)</i> | e.g. 6.0-2.7-MDPE <i>(end column)</i> | <i>(check availability)</i> BLK = Black |

Hybrid Drop Duct Product List

| Material | OD | Fiber Count | Crush | Tension | Nominal Weight | Bend Radius | Bend Radius | Install Temp | Product Code |
|----------|------|-------------|-------|---------|----------------|-------------|-------------|--------------|--------------|
| | (mm) | | (n) | (n) | (kg/km) | (Passive) | (Active) | (Celsius) | |
| MDPE | 6.0 | 2.7 | 2000 | 1000 | 30.1 | 10x OD | 5x OD | -10 to +60 | 6.0-2.7-MDPE |

Options

Pullcord - A pull cord can be specified to enable easy population of the protection tube if required

| Environmental Conditions: | | | | |
|---|---------------------------------------|--------------------------|---------------------------|--|
| Operating Temperature: -40°C / +70°C | Install Temperature: -10°C / +60°C | Wind Speed: 130 km/hr | Ice Loading 5mm radial | Ice & Wind 5mm radial and 80 km/hr |

Contact

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