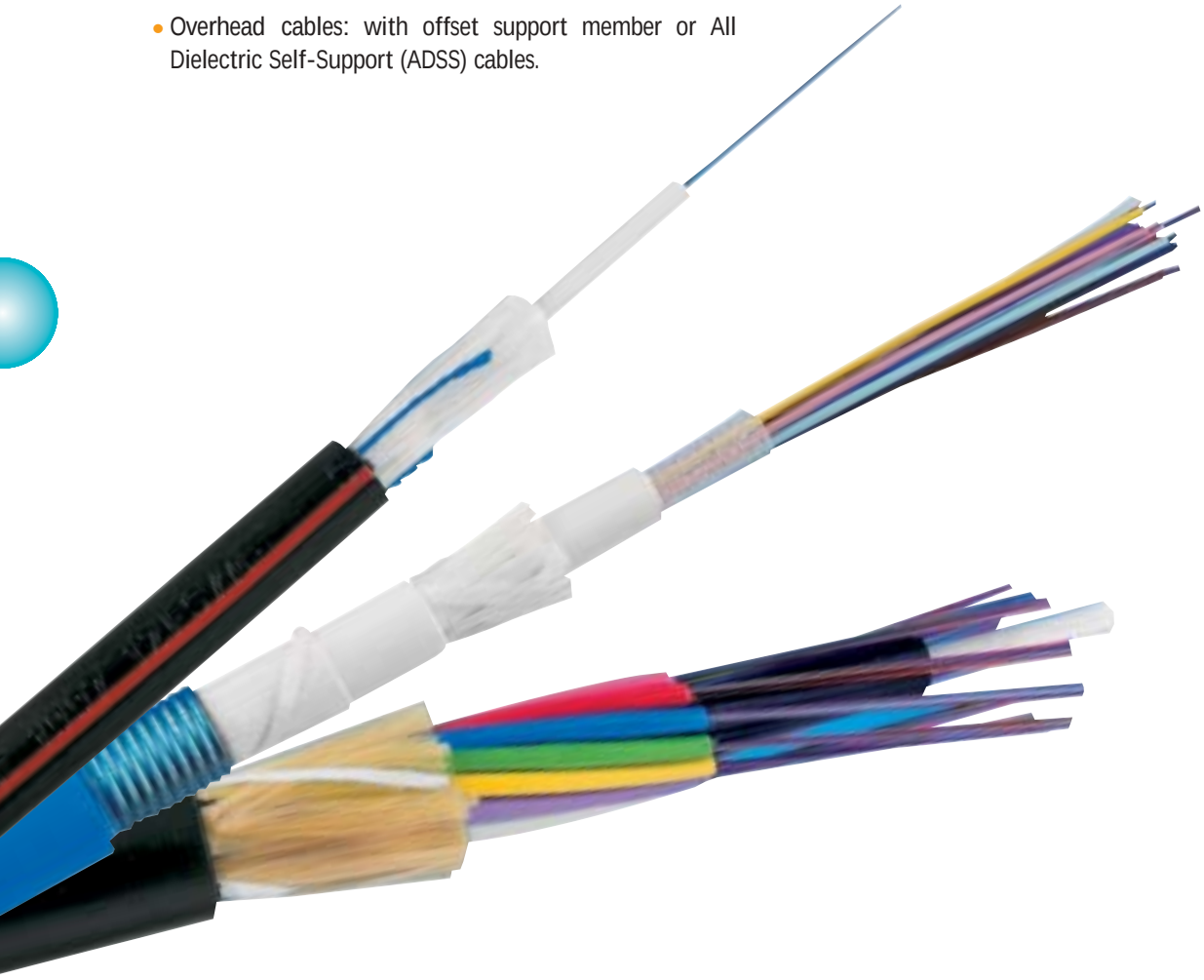
ACOPTIC®

Selecting a cable

The ACOME optical cable ranges have been developed according to the environments in which they are to be used

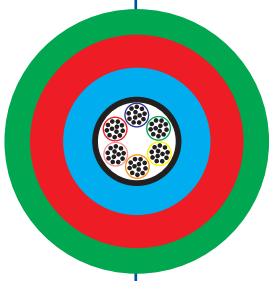
- Duct blown cables: ideal for blowing, carrying, blowing/carrying (air or water) and pulling over medium long distances. Compact tube cable structure allows distances 40% greater than those achievable with standard cable structures.
- Duct pulled cables: optimised weight/tensile strength ratio for a high tensile force without altering the characteristics of the transmission medium.
- Cables for severe environments: our steel armoured, double sheathed, reinforced, dielectric rodent-proof cables for direct burial and installation in sewer runs, etc. are able to withstand the most difficult environments.
- Overhead cables: with offset support member or All Dielectric Self-Support (ADSS) cables.
- Fire resistant cables: range of cables complying with the requirements of standards NFC 32070 and IEC 332-3, ideal for use in tunnels or environments requiring a high level of fire resistance.
- Inter- and intra-building cables: with a UV resistant Zero Halogen jacket able to withstand external attack. This range of cables enables inter-building links to be formed and to be continued into the buildings without the need to connect two different systems (internal and external).



ACOPTIC®

Selecting a cable

Dielectric cables for blowing into ducts

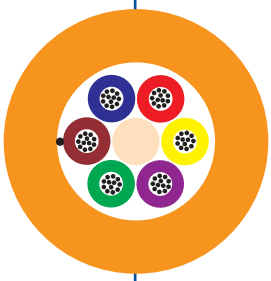


Characteristics
Strength members: glass yarns
Number of fibres: up to 288
Jacket: LSOH or HDPE
Dry cable: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1075 series - 6 to 36 of
1076 series - 40 to 72 of
1077 series - 80 to 144 of

LSOH jacket
1083 series - 6 to 36 of
1084 series - 40 to 72 of
1085 series - 80 to 144 of

COMPACT TUBE STRUCTURE

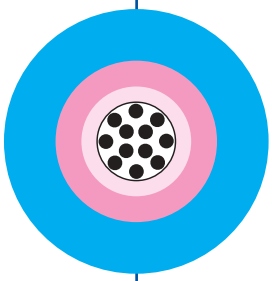


Characteristics
Central strength member: non-metallic
Number of fibres: up to 216
Jacket: LSOH or HDPE
Waterproofing: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1039 series - 1 to 48 of
1000 series – 1 to 72 of
1049 series – 1 to 72 of
1041 series - 1 to 80 of
1001 series - 1 to 96 of
1050 series - 1 to 96 of
1003 series - 1 to 144 of
1052 series - 1 to 144 of
1004 series - 1 to 216 of

LSOH jacket
1004 series - 1 to 48 of
1049 series – 1 to 72 of
1050 series - 1 to 96 of
1052 series - 1 to 144 of

LOOSE TUBE STRUCTURE



Characteristics
Strength members: non-metallic reinforcing fibres
Number of fibres: up to 12
Waterproofing: water swellable elements
Application:
LSOH: internal or external

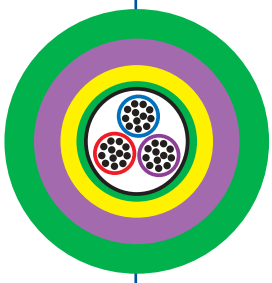
LSOH jacket
Series 1011 – 1 to 12 of

CENTRAL LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

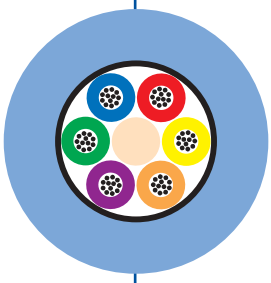
Dielectric cables for pulling into ducts



Characteristics
Strength members: glass yarns
Number of fibres: up to 288
Jacket: LSOH or HDPE
Dry cable: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1072 series - 6 to 36 of
1073 series - 40 to 72 of
1074 series - 80 to 144 of
1095 series – 168 to 288 of

COMPACT TUBE STRUCTURE

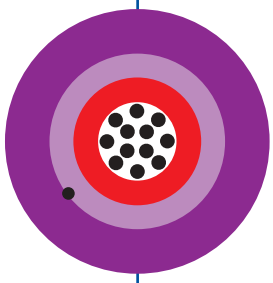


Characteristics
Central strength member: non-metallic
Strength members: non-metallic reinforcing fibres
Number of fibres: up to 216
Jacket: LSOH or HDPE
Waterproofing: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1017 series – 1 to 72 of
1018 series – 1 to 96 of
1020 series – 1 to 144 of
1021 series – 1 to 216 of

LSOH jacket
1089 series – 1 to 72 of
1090 series – 1 to 96 of
1092 series – 1 to 144 of

LOOSE TUBE STRUCTURE



Characteristics
Strength members: non-metallic reinforcing fibres
Number of fibres: up to 12
Jacket: LSOH, HDPE
Waterproofing: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1054 series - 1 to 12 of

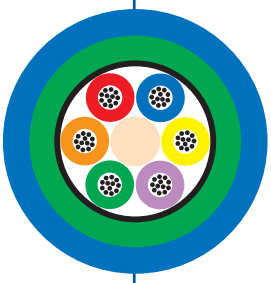
LSOH jacket
1094 series - 1 to 12 of

CENTRAL LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

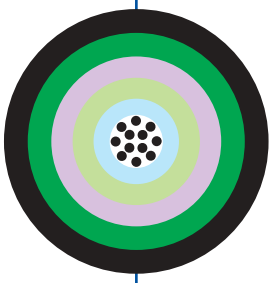
Metal armoured cables for indoor/outdoor application



Characteristics
Central strength member: non-metallic
Number of fibres: up to 216
Jacket: LSOH
Waterproofing: water swellable elements
Armour: corrugated steel-copolymer
Application:
LSOH: internal or external

LSOH jacket
1028 series – 1 to 72 of
1065 series – 1 to 144 of

LOOSE TUBE STRUCTURE



Characteristics
Strength members: non-metallic reinforcing fibres
Number of fibres: up to 12
Jacket: LSOH
Waterproofing: water swellable elements
Armour: corrugated steel-copolymer
Application:
LSOH: internal or external

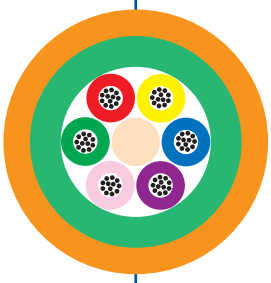
LSOH jacket
1027 series – 1 to 12 of

CENTRAL LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

Dielectric cables with enhanced anti-rodent protection



Characteristics

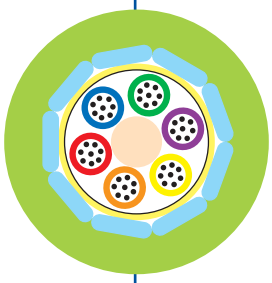
Central strength member: non-metallic
Number of fibres: up to 216
Jacket: LSOH or HDPE
Strength members: hot-melt impregnated glass yarns (anti-rodent protection)
Waterproofing: water swellable elements
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1067 series – 1 to 48 of

LSOH jacket
1078 series – 1 to 72 of
1079 series – 1 to 96 of
1081 series – 1 to 144 of

LOOSE TUBE STRUCTURE

Dielectric multi-use cables (direct burial, aerial, anti-rodent)



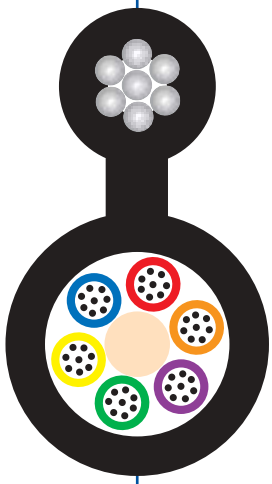
Characteristics

Central strength member: non-metallic
Number of fibres: up to 216
Jacket: HDPE
Strength members: stranded flat FRP
Waterproofing: water swellable elements
Application:
HDPE: external

HDPE jacket
1005 series – 1 to 72 of
1006 series – 1 to 96 of
1060 series – 1 to 48 of

LOOSE TUBE STRUCTURE

Aerial figure 8 cables with metal suspension member



Characteristics

Central strength member: non-metallic
Number of fibres: up to 216
Jacket: HDPE
Suspension member: steel strand
Waterproofing: water swellable elements
Application:
HDPE: aerial

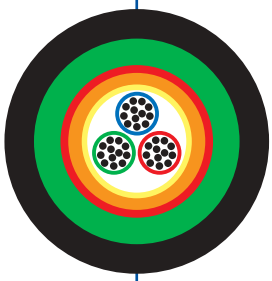
HDPE jacket
1029 series – 1 to 48 of
1034 series – 1 to 72 of
1035 series – 1 to 96 of

LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

Metal-armoured cables for direct burial

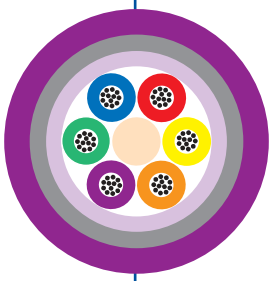


Characteristics
Strength members: glass yarns
Number of fibres: up to 288
Jacket: HDPE, LSOH
Dry cable: water swellable elements
Armour: corrugated steel-copolymer
Application:
HDPE: external
LSOH: internal or external

HDPE jacket
1086 series – 6 to 36 of
1087 series – 40 to 72 of
1088 series – 80 to 144 of

LSOH jacket
1115 series – 6 to 36 of
1116 series – 40 to 72 of
1117 series – 80 to 144 of

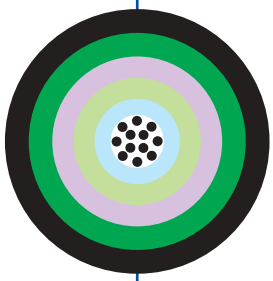
COMPACT TUBE STRUCTURE



Characteristics
Central strength member: steel wire
Number of fibres: up to 216
Jacket: HDPE
Waterproofing: water swellable elements
Armour: corrugated steel, coated with sealing grease
Application:
HDPE: external

HDPE jacket
1022 series – 1 to 72 of
1023 series – 1 to 96 of
1025 series – 1 to 144 of
1026 series – 1 to 216 of

LOOSE TUBE STRUCTURE



Characteristics
Strength members: metallic reinforcing fibres
Number of fibres: up to 12
Jacket: HDPE
Waterproofing: water swellable elements
Armour: corrugated steel, coated with sealing grease
Application:
HDPE: external

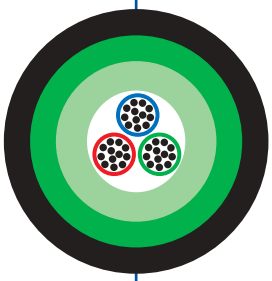
HDPE jacket
1010 series – 1 to 12 of

CENTRAL LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

Steel armoured cable for installation in tunnels



Characteristics

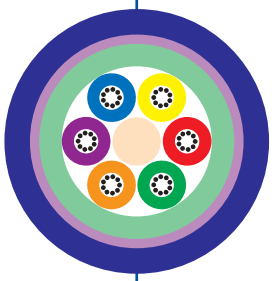
Strength members: glass yarns
Number of fibres: up to 288
Jacket: LSOH
Dry cable: water swellable elements
Armour: corrugated steel-copolymer
Application:
LSOH: internal or external

LSOH jacket

1136 series – 6 to 36 of
1137 series – 40 to 72 of

COMPACT TUBE STRUCTURE

Double-sheathed cable for pulling into ducts



Characteristics

Central strength member: non-metallic
Number of fibres: up to 216
Jacket: HDPE, LSOH
Waterproofing: water swellable elements
Strength members: non-metallic reinforcing fibres
Application:
HDPE: external
LSOH: internal or external

HDPE jacket

1101 series – 1 to 48 of
1104 series – 1 to 96 of
1107 series – 1 to 96 of
1109 series – 1 to 144 of
1110 series – 1 to 216 of

LOOSE TUBE STRUCTURE

ACOPTIC®

Selecting a cable

Compact Tube cables

These cables are made from 2 to 12 fibre compact tubes forming a central unit core at the centre of the cable.
They are watertight and reinforced with glass or aramid fibres, making them suitable for use in the most severe environments.

Applications

Suitable for use in:

- very severe environments
- cable trays
- ducts and concrete pipes

Advantages of the ACOME compact tube range

- Compact
- Modular: ease of identification, implementation and accessing of fibres
- No kinking
- Speed and ease of deployment
- Compatible with existing technologies
- No preferential bending radius
- Excellent thermal resistance
- Very good mechanical resistance