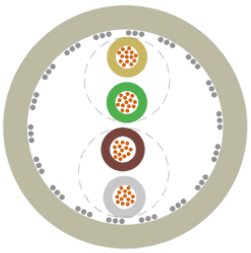
POLYCORE FLEX LIHCH (TP)



Vital for safety with LSZH, flame retardancy, TP.

APPLICATION RANGE

- Used in public buildings, transport systems and industrial plants as well as data processing, measurement and control engineering.
- Suitable for areas with high density of people as well as high value property that must be protected in an event of fire widely used in safety related systems and as an electronic cable as well as computer systems, instrumentation systems, office equipment and balances whenever screened halogen cables are needed

PRODUCT MAKE-UP

- Fine wire strand made of bare copper wires
- Core insulated made of special halogen free compounds
- TP structure
- Tinned copper braiding
- Outer sheath made of special halogen free compound

BENEFITS

- This halogen free cable is used to protect human life and high value assets against the event of fire due to its low smoke density and low amount of corrosive gases property small outer diameter despite of high numbers of cores.
- Low capacitance due to polyolefin based insulation
- Overall braid minimizes electrical interference
- It enables decoupling of circuits by means of twisted pair(TP)

TECHNICAL DATA

CORE IDENTIFICATION CODE-
- Din 47100 without colour repetition

CONDUCTOR-
- Fine copper wire strand

MINIMUM BENDING RADIUS-
- Occasional flexing 10 x outer diameter
- Fixed installation 6 x outer diameter
- Mutual capacitance-c/c x. 80 n/f c/s x. 120 N/f
- inductivity-x. 0.65 mh/km

TEST VOLTAGE-
- 1200v

RANGE OF TEMPERATURE-
- Occasional flexing -5C to 70C
- Fixed installation -30C to 80C

PRODUCT FEATURE

- Low smoke zero halogen (LSZH)
- Flame retardant according to IEC 60332-1-2
- Halogen free as per iec 60754-1
- Low corrosiveness of combusition gases as per IEC 60754-2
- Low toxicity of gases as per EN 50305
- Low smoke density as per iec 61034-2

- Halogen free
- Interference signals

- Essential halogen-free cable for safety-critical applications with LSZH, flame retardancy, and TP structure.