

ToughCat 5e



S/FTP Installation Cable for tougher environments

Prysmian
Group

Technical Data

Application-Installation

Generic Data transmission. This cable is a Cat5e S/FTP cable meant for use as installation(horizontal) cable in tougher electrical and mechanical environment, including ships and offshore units.

Standards

EN 50173-1; EN 50288-2-1
ISO/IEC 11801; IEC 61156-5
Det Norske Veritas (DNV) specification No. 6-827.50-2
and Lloyd Register approval system, 2002

Fire Rating

LSHF-FR(SHF1): IEC60754-2; IEC61034, IEC60332-3-24

Chemical Resistance

Mineral oils IRM 902 (IEC60811-2-1) : 7 days/23°C
4 hours/70°C
Diesel - IRM 903 (IEC60811-2-1) : 7 days/23°C
4 hours/70°C

Certification

This cable is certified by: Det Norske Veritas (DNV) and Lloyd Register.

Construction

1.Conductor

-Stranded copper wire

2.Insulation

-Polyethylene

3.Twisting

-2 cores to the pair

4.Pair Screen

-Al-laminated plastic foil around each pair

5.Overall Screen

-Copper braid, tinned

6. Sheath

-Oil resistant, Fire retardant & halogen free LSHF-FR(SHF1), Grey RAL7035



Part Number	Type	Pairs x cond.Ømm ²	Outer Ø (Mm)	Weight (kg/m)
121825	ToughCat5e S/FTP	4x2/0,22	7.7	0,0680

ToughCat 5e MUD Protected

S/FTP Installation Cable for tougher environments



Technical Data

Application-Installation

Generic Data transmission. This Cat.5e S/FTP cable is based on our DNV and Lloyd Register certified ToughCat, but with an additional fire retardant, halogen-free, low smoke MUD protecting outer jacket. This cable is meant for use as installation/horizontal cable in tougher electrical and mechanical environment, including ships and offshore units.

Standards

EN 50173-1; EN 50288-2-1
ISO/IEC 11801; IEC 61156-5

Fire Rating

MUD protecting outer sheath : IEC 60754-2, IEC 61034,
IEC 60332-3-24
Inner sheath LSHF-FR(SHF1) : IEC 60754-2, IEC 61034,
IEC 60332-3-24

Chemical Resistance

Mineral oils IRM 902 (IEC60811-2-1) : 7 days/100°C
Diesel - IRM 903 (IEC60811-2-1) : 7 days/100°C

Construction

1.Conductor

-Stranded copper wire

2.Insulation

-Polyethylene

3.Twisting

-2 cores to the pair

4.Pair Screen

-Al-laminated plastic foil around each pair

5.Overall Screen

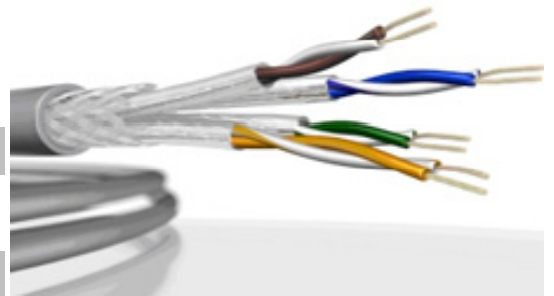
-Copper braid, tinned

6. Inner Sheath

-Oil resistant, Fire retardant and halogen free LSHF-FR
(SHF1) Ø 7,7 mm

7. Outer Sheath

-MUD protecting, Grey RAL7024



Part Number	Type	Pairs x cond.Ømm ²	Outer ø (Mm)	Weight (kg/m)
121836	ToughCat S/FTP + MUD	4x2/0,22	9.5	0,1000