

DFS Standard 60

Fire alarm cable, 300/500V

halogen-free, with improved fire characteristics,
BS 7629-1 and BS 5839-1:2013 Clause 26.2d



- 1 Conductor: solid copper wire
- 2 Insulation: EN 50363-5, flame-resistant, low smoke, halogen-free
- 3 Drain wire: tinned copper circuit protection conductor (earth wire)
- 4 Shielding: Aluminium foil with a copolymer backing, halogen-free, bonded to the outer sheath
- 5 Sheath: FRNC/LSZH



Descripción

Cable for fire alarm systems and emergency lighting.

For permanent installation in buildings. Suitable for use in Hazardous Areas Zones 1 and 2.

Optimized for fast termination: The aluminium foil is bonded to the inside of the sheath by a copolymer backing. So it is removed together with the sheath when terminating.

Permitted operating temperature at conductor of +90°C.

Construcción

| | |
|-------------------------------|---|
| Conductor | Cobre desnudo, sólido, IEC 60228 y EN 60228 |
| Aislamiento | Compuesto especial, BS EN 50363-5 |
| Colores principales | HD 308 S2, BS 7629-1 |
| Blindaje | Lámina de aluminio y conductor de protección de circuitos de cobre estañado (cable a tierra), IEC 60228, EN 60228 |
| Material exterior de la vaina | Polyolefin compound, BS 7655-6.1, LTS3 |

Propiedades generales

| | |
|-------------------------------|-----------------|
| Integridad de circuito | No |
| Integridad del aislamiento | PH 120 |
| Temperatura de instalación | 0 °C - +70 °C |
| Temperatura de funcionamiento | -40 °C - +90 °C |

Propiedades eléctricas

| | |
|---------------------------|----------|
| Tensión de prueba a 50 Hz | 2.000 V |
| Tensión nominal | 300/500V |

Propiedades mecánicas

| | |
|--|-------|
| Mínimo de flexión durante la instalación (multinúcleo) | 6 x D |
| Radio de flexión mínimo permanente (multinúcleo) | 6 x D |

Estándares

| | |
|-----------------------------------|--|
| Integridad de circuito | IEC 60331 (180 minutes), VDE 0472-814 (FE180), BS 6387 C/W/Z, IEC 60331-2 (120 minutos), VDE 0482-200 (PH120), BS EN 50200 (PH120) |
| Densidad de humo | EN 61034-1/-2, IEC 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Section 4.3.3 SD |
| Cero halógeno gases no corrosivos | EN 60754-1/-2, IEC 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Section 4.3.3 SA |
| Propagación de llamas | EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Section 4.3.3 F1 |
| Dispersión de llamas | EN 60332-3-24/-25, IEC 60332-3-24/-25, VDE 0482-332-3-24/-25, AREI-RGIE Section 4.3.3 F2 |
| LPCB Certificate | LPCB Certificate Number: 172i, Issue: 02 |

Versiones

| Número de material | Producto | Color de la funda exterior | Diámetro exterior de la vaina [mm] | Prop. CU [kg/km] | Peso [kg/km] | Carga de fuego [kWh/m] | Unidad de embalaje | GTIN / EAN |
|--------------------|---|----------------------------|------------------------------------|------------------|--------------|------------------------|--------------------|----------------|
| 18720410ZN | DFS Standard 60 2 x 1 mm ² | tinto | 7,8 | 29 | 80 | 0,17 | 100 m bobina | 40393910099119 |
| 18720510ZN | DFS Standard 60 2 x 1 mm ² | blanco | 7,8 | 29 | 82 | 0,17 | 100 m bobina | 40393910099058 |
| 18720410ZM | DFS Standard 60 2 x 1 mm ² | tinto | 7,8 | 29 | 80 | 0,17 | 200 m bobina | 40393910099126 |
| 18720510ZM | DFS Standard 60 2 x 1 mm ² | blanco | 7,8 | 29 | 82 | 0,17 | 200 m bobina | 40393910099065 |
| 18720410ZL | DFS Standard 60 2 x 1 mm ² | tinto | 7,8 | 29 | 82 | 0,17 | 500 m bobina | 40393910099133 |
| 18720510ZL | DFS Standard 60 2 x 1 mm ² | blanco | 7,8 | 29 | 82 | 0,17 | 500 m bobina | 40393910099072 |
| 18720910ZN | DFS Standard 60 2 x 1.5 mm ² | tinto | 8,3 | 43 | 97 | 0,19 | 100 m bobina | 40393910098907 |
| 18716110ZN | DFS Standard 60 2 x 1.5 mm ² | blanco | 8,3 | 43 | 97 | 0,19 | 100 m bobina | 40393910099232 |
| 18720910ZM | DFS Standard 60 2 x 1.5 mm ² | tinto | 8,3 | 43 | 97 | 0,19 | 200 m bobina | 40393910098914 |
| 18716110ZM | DFS Standard 60 2 x 1.5 mm ² | blanco | 8,3 | 43 | 97 | 0,19 | 200 m bobina | 40393910099249 |
| 18720910ZL | DFS Standard 60 2 x 1.5 mm ² | tinto | 8,3 | 43 | 97 | 0,19 | 500 m bobina | 40393910098921 |
| 18716110ZL | DFS Standard 60 2 x 1.5 mm ² | blanco | 8,3 | 43 | 97 | 0,19 | 500 m bobina | 40393910099256 |
| 18721410ZN | DFS Standard 60 2 x 2.5 mm ² | tinto | 9,7 | 72 | 141 | 0,26 | 100 m bobina | 40393910098600 |
| 18716210ZN | DFS Standard 60 2 x 2.5 mm ² | blanco | 9,7 | 72 | 141 | 0,26 | 100 m bobina | 40393910099171 |
| 18721410ZM | DFS Standard 60 2 x 2.5 mm ² | tinto | 9,7 | 72 | 141 | 0,26 | 200 m bobina | 40393910098617 |
| 18716210ZM | DFS Standard 60 2 x 2.5 mm ² | blanco | 9,7 | 72 | 141 | 0,26 | 200 m bobina | 40393910099188 |
| 18721410ZL | DFS Standard 60 2 x 2.5 mm ² | tinto | 9,7 | 72 | 141 | 0,26 | 500 m bobina | 40393910098624 |
| 18716210ZL | DFS Standard 60 2 x 2.5 mm ² | blanco | 9,7 | 72 | 141 | 0,26 | 500 m bobina | 40393910099195 |
| 18724810ZN | DFS Standard 60 2 x 4 mm ² | tinto | 11,9 | 96 | 200 | 0,39 | 100 m bobina | 40393910098303 |
| 18724810ZM | DFS Standard 60 2 x 4 mm ² | tinto | 11,9 | 96 | 200 | 0,39 | 200 m bobina | 40393910098310 |
| 18724810ZL | DFS Standard 60 2 x 4 mm ² | tinto | 11,9 | 96 | 200 | 0,39 | 500 m bobina | 40393910098327 |
| 18721010ZN | DFS Standard 60 3 x 1.5 mm ² | tinto | 8,7 | 58 | 129 | 0,23 | 100 m bobina | 40393910098846 |
| 18721110ZN | DFS Standard 60 3 x 1.5 mm ² | blanco | 8,7 | 58 | 129 | 0,23 | 100 m bobina | 40393910098785 |
| 18721010ZM | DFS Standard 60 3 x 1.5 mm ² | tinto | 8,7 | 58 | 129 | 0,23 | 200 m bobina | 40393910098853 |

| Número de material | Producto | Color de la funda exterior | Diámetro exterior de la vaina [mm] | Prop. CU [kg/km] | Peso [kg/km] | Carga de fuego [kWh/m] | Unidad de embalaje | GTIN / EAN |
|--------------------|---|----------------------------|------------------------------------|------------------|--------------|------------------------|--------------------|----------------|
| 18721110ZM | DFS Standard 60 3 x 1.5 mm ² | blanco | 8,7 | 58 | 129 | 0,23 | 200 m bobina | 40393910098792 |
| 18721010ZL | DFS Standard 60 3 x 1.5 mm ² | tinto | 8,7 | 58 | 129 | 0,23 | 500 m bobina | 40393910098860 |
| 18721110ZL | DFS Standard 60 3 x 1.5 mm ² | blanco | 8,7 | 58 | 129 | 0,23 | 500 m bobina | 40393910098808 |
| 18721510ZN | DFS Standard 60 3 x 2.5 mm ² | tinto | 10,3 | 96 | 191 | 0,31 | 100 m bobina | 40393910098549 |
| 18721610ZN | DFS Standard 60 3 x 2.5 mm ² | blanco | 10,3 | 96 | 191 | 0,31 | 100 m bobina | 40393910098488 |
| 18721510ZM | DFS Standard 60 3 x 2.5 mm ² | tinto | 10,3 | 96 | 191 | 0,31 | 200 m bobina | 40393910098556 |
| 18721610ZM | DFS Standard 60 3 x 2.5 mm ² | blanco | 10,3 | 96 | 191 | 0,31 | 200 m bobina | 40393910098495 |
| 18721510ZL | DFS Standard 60 3 x 2.5 mm ² | tinto | 10,3 | 96 | 191 | 0,31 | 500 m bobina | 40393910098563 |
| 18721610ZL | DFS Standard 60 3 x 2.5 mm ² | blanco | 10,3 | 96 | 191 | 0,31 | 500 m bobina | 40393910098501 |
| 18721210ZN | DFS Standard 60 4 x 1.5 mm ² | tinto | 9,7 | 72 | 145 | 0,28 | 100 m bobina | 40393910098723 |
| 18721310ZN | DFS Standard 60 4 x 1.5 mm ² | blanco | 9,7 | 72 | 145 | 0,28 | 100 m bobina | 40393910098662 |
| 18721210ZM | DFS Standard 60 4 x 1.5 mm ² | tinto | 9,7 | 72 | 145 | 0,28 | 200 m bobina | 40393910098730 |
| 18721310ZM | DFS Standard 60 4 x 1.5 mm ² | blanco | 9,7 | 72 | 145 | 0,28 | 200 m bobina | 40393910098679 |
| 18721210ZL | DFS Standard 60 4 x 1.5 mm ² | tinto | 9,7 | 72 | 145 | 0,28 | 500 m bobina | 40393910098747 |
| 18721310ZL | DFS Standard 60 4 x 1.5 mm ² | blanco | 9,7 | 72 | 14.500 | 0,28 | 500 m bobina | 40393910098686 |
| 18721710ZM | DFS Standard 60 4 x 2.5 mm ² | tinto | 11,4 | 120 | 222 | 0,39 | 200 m bobina | 40393910098433 |
| 18815510ZM | DFS Standard 60 4 x 2.5 mm ² | blanco | 11,4 | 120 | 222 | 0,39 | 200 m bobina | 40393910098628 |
| 18721710ZL | DFS Standard 60 4 x 2.5 mm ² | tinto | 11,4 | 120 | 222 | 0,39 | 500 m bobina | 40393910098440 |
| 18815510ZL | DFS Standard 60 4 x 2.5 mm ² | blanco | 11,4 | 120 | 222 | 0,39 | 500 m bobina | 40393910098635 |

Other dimensions available on request. All dimensions in 100, 200 or 500 m length on drum.

Sujeto a modificaciones técnicas

A partir de 2023-12-20 11:17:21