

## HARTING SEA CABLE S/FTP CAT 7 100m



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 45 600 0525                                                                        |
| Specification      | HARTING SEA CABLE S/FTP CAT 7 100m                                                    |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09456000525">https://b2b.harting.com/09456000525</a> |

### Identification

|               |                                                                          |
|---------------|--------------------------------------------------------------------------|
| Category      | System cabling                                                           |
| Element       | Bulk cables                                                              |
| Specification | Not assembled                                                            |
| Type of cable | Copper cable (round)                                                     |
| Features      | Flame retardant, halogen free and RoHS compliant<br>Oil and UV resistant |

### Version

|                 |                |
|-----------------|----------------|
| Cable length    | 100 m          |
| Number of cores | 8              |
| Core structure  | 4x 2x AWG 26/7 |

### Technical characteristics

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| Limiting temperature         | -40 ... +80 °C                                                                |
| Cable diameter               | 7.1 mm                                                                        |
| Minimum bending radius       | 10x Cable diameter (repeated bending)<br>5x Cable diameter (singular bending) |
| Test voltage $U_{r.m.s.}$    | 1 kV Wire / wire / shielding                                                  |
| Transmission characteristics | Cat. 7 Class F up to 600 MHz                                                  |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s<br>10 Gbit/s    |



Pushing Performance

## Technical characteristics

|                                        |              |
|----------------------------------------|--------------|
| Coupling attenuation @ 20 °C / 100 MHz | 10 mΩ/m      |
| Conductor resistance @ 20 °C           | ≤290 Ω/km    |
| Insulation resistance @ 20 °C          | ≥500 MΩ x km |
| Signal run time @ 20 °C                | ≤5.3 ns/m    |
| Impedance @ 100 MHz                    | 100 Ω ±5 %   |

## Material properties

|                             |             |
|-----------------------------|-------------|
| Material (cable)            | FRNC (LSZH) |
| Colour (cable)              | Black       |
| RoHS                        | compliant   |
| ELV status                  | compliant   |
| China RoHS                  | e           |
| REACH Annex XVII substances | No          |
| REACH ANNEX XIV substances  | No          |
| REACH SVHC substances       | No          |

## Specifications and approvals

|                |                                              |
|----------------|----------------------------------------------|
| Specifications | IEC 60754-2 Non corrosive                    |
|                | IEC 61034 Smoke density                      |
|                | IEC 60811-2-1 Oil resistancy                 |
|                | IEC 60332-1-2 Flame retardancy               |
|                | IEC 60332-3-22 (category A) Flame retardancy |
|                | Directive 2011/65/EU                         |
|                | Directive 2015/863/EU RoHS 3                 |
| Approvals      | DNV GL                                       |

## Commercial data

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Packaging size                 | 1                                              |
| Net weight                     | 5,981 g                                        |
| Country of origin              | Romania                                        |
| European customs tariff number | 85444995                                       |
| eCl@ss                         | 27061801 Data and communication cable (copper) |