Pushing Performance
Since 1945

HARTING SEA CABLE S/FTP CAT 7 1000m

Part number	09 45 600 0524
Specification	HARTING SEA CABLE S/FTP CAT 7 1000m
HARTING eCatalogue	https://b2b.harting.com/09456000524

Identification

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

Version

Cable length	1,000 m
Number of cores	8
Core structure	4x 2x AWG 26/7

Technical characteristics

Transmission characteristics	Cat. 7 Class II up to 2000 MHz
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Limiting temperature	-40 ... +80 °C
Cable diameter	7.1 mm
Minimum bending radius	10x Cable diameter (repeated bending) 5x Cable diameter (singular bending)
Test voltage $U_{r.m.s.}$	1 kV Wire / wire / shielding
Coupling attenuation @ 20 °C / 100 MHz	10 mΩ/m

HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany
Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

Technical characteristics

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	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained

Specifications and approvals

Specifications	IEC 60754-2 Non corrosive IEC 61034 Smoke density IEC 60811-404 Oil resistance IEC 60332-1-2 Flame retardancy IEC 60332-3-22 Flame retardancy Directive 2011/65/EU Directive 2015/863/EU
Approvals	DNV GL

Commercial data

Packaging size	1
Country of origin	Germany
European customs tariff number	85444290
GTIN	5713140273665
ETIM	EC003249
eCl@ss	27061801 Data and communication cable (copper)

HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany
Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com