

## HAR SERCOS III TypC 4xAWG22/7 trail 100m

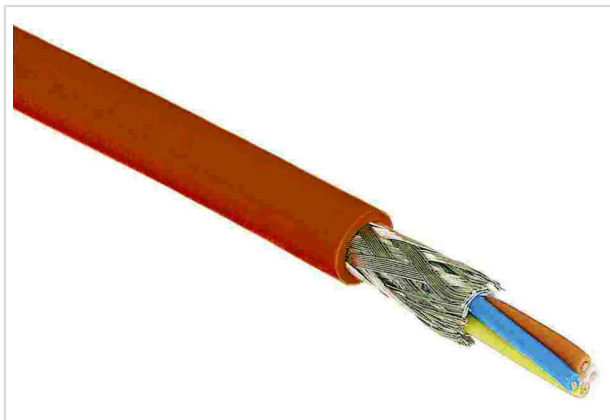


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Part number	09 45 600 0107
Specification	HAR SERCOS III TypC 4xAWG22/7 trail 100m
HARTING eCatalogue	<a href="https://b2b.harting.com/09456000107">https://b2b.harting.com/09456000107</a>

### Identification

Category	System cabling
Element	Bulk cables
Specification	Not assembled
Type of cable	Copper cable (round)
Description of the cable	Flame retardant
	Halogen-free
	UV resistant
	Oil resistant
Printing on cable	HARTING SERCOS III CAT5e * 22AWG (SHIELDED) (UL)E333432 CMX 75 °C VERIFIED CAT 5E PATCH CABLE FRNC* 094560001010200 „sequential length in meters“ „internal lot number“

### Version

Cable length	100 m
Number of cores	4
Core structure	4x AWG 22/7

### Technical characteristics

Transmission characteristics	Cat. 5 Class D up to 100 MHz
Data rate	10 Mbit/s
	100 Mbit/s
Limiting temperature	-40 ... +70 °C unmoved
	-20 ... +60 °C moved
Cable diameter	6.3 ... 6.7 mm
Minimum bending radius	5x Cable diameter (repeated bending)
	3x Cable diameter (singular bending)



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## Technical characteristics

Drag chain compatible	Yes
Bending cycles	≥ 3.000.000 & traversing distance ≤ 0.2 m & speed ≤ 4 m/s & acceleration ≤ 4 m/s <sup>2</sup>
Tensile strength	≤150 N
Test voltage U <sub>r.m.s.</sub>	2 kV Wire / wire / shielding
Coupling attenuation @ 20 °C / 100 MHz	20 mΩ/m
Conductor resistance @ 20 °C	≤120 Ω/km
Insulation resistance @ 20 °C	≥500 MΩ x km
Impedance @ 100 MHz	100 Ω ±5 %

## Material properties

Material (cable)	PUR (polyurethane)
Colour (cable)	Red
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	ISO/IEC 11801
	EN 50173
	IEC 24702
	EN 50173-3
	IEC 61918
	EN 50288-2-1
	IEC 61156-5
	IEC 60332-1-2 Flame retardancy
EN 60811-2-1 Oil resistance	
UL / CSA	UL 444 DUZX.E333432
	CSA-C22.2 No. 214 DUZX7.E333432
Standards	SERCOS III Type C

## Commercial data

Packaging size	1
Net weight	6,400 g
Country of origin	Germany



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## Commercial data

European customs tariff number	85444290
GTIN	5713140273481
ETIM	EC003249
eCl@ss	27061801 Data and communication cable (copper)