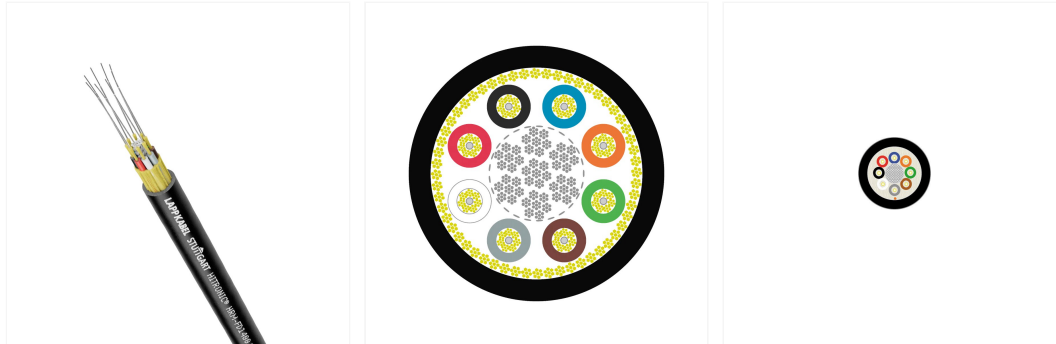


**HITRONIC® HRM-FD1000 4G 50/125 OM2**

**Article No.:** 26300204

Fiber optic cable; GOF; 4x OM2; Cable chain, Flexible, Fixed Installation; Aramid yarns; Polyurethane; black



**Details**

**Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

**Remarks**

**Technical Data**

**General information**

Brand	HITRONIC®
Product type	Fiber optic cable
Fiber optic cable type	GOF
Type of fibre optic cable long description	Glass Fiber Optic
Industry segment	Solar

**Electrical parameters**

Wavelength information	For 1300 nm applies 1.5 dB / km as well as 500 MHz*km For 850 nm applies 3.5 dB / km as well as 500 MHz*km
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**Product design**

Numerical aperture	0.2
U-Optical cables, universal classification of optical cable	U-V(ZN)H(ZN)11Y Divisible universal cable
Number of cores	4
With armoring	No
Strain relief with	Aramid yarns
Type of optical fibre	Multi-mode Fiber
Number of fibres	4
Number of fibers per core	1
Nominal conductor diameter	0.079 in
Nominal outer diameter	0.307 in
Cable form	Round
Fiber core diameter	50 µm
Diameter fibre cladding	125 µm
Diameter of primary coating	242 µm
With solid wire jacket	Yes
Basic material of the fiber core	Glass
Base material fibre cladding	Glass
Basic material of inner jacket	Halogen-free compound
Basic material of inner jacket, short form	LSZH
Basic material of outer jacket	Polyurethane
Base material of outer sheath, shortname	PUR
Outer jacket color	black
Colour outer sheath RAL code	RAL 9005
Core identification	Colors

**Product features**

Application area	Cable chain Flexible Fixed Installation
For permanent bending	Yes
For torsional load	No
Windable	No
Suitable for EX-applications	No
Minimum bending radius, stationary	20 x outer diameter
Minimum bending radius in inch, fixed installation	6.142 in
Minimum bending radius, dynamic continuously flexing	15 x outer diameter
Minimum bending radius in inch, dynamic continuously flexing	4.606 in
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally moved	4.606 in
Tensile force fixed installation	1,000 N
Tensile force, short-term	1,800 N
Temperature, fixed installation	-40 °C to 70 °C max. conductor temperature
Temperature, occasionally moved	0 °C to 50 °C max. conductor temperature
Installation temperature min.	0 °C
Max. assembly temperature	50 °C
Flame-retardant	Yes
UV-resistant	Yes
Chemical resistant	No
Acid-resistant	No
Halogenfree	Yes
Halogen-free according to	IEC 60754-1
Oil resistant	No
PWIS-free	No
Longitudinally watertight	No

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Laterally watertight	No
Fast Connect (FC) cable	No
Optical cable, type of tube	Full Core

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Optical cable, insert	Universal
Optical cable, fiber category	OM2

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**Certifications and standards**

Product standard according to IEC	IEC 60794
Resistance to flame propagation tested according to UN/ECE-R118	No

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**HITRONIC® HRM-FD cable**

Article No.	Name	Fiber core diameter	Diameter fibre cladding	Diameter of primary coating	Optical cable, fiber category	Number of cores	Number of fibers per core	Number of fibres	Nominal outer diameter
26300104	HITRONIC® HRM-FD1000 4G 62,5 /125 OM1	62.5 µm	125 µm	245 µm	OM1	4	1	4	0.307 in
26300108	HITRONIC® HRM-FD1400 8G 62,5 /125 OM1	62.5 µm	125 µm	245 µm	OM1	8	1	8	0.409 in
26300112	HITRONIC® HRM-FD1800 12G 62,5 /125 OM1	62.5 µm	125 µm	245 µm	OM1	12	1	12	0.512 in
26300204	HITRONIC® HRM-FD1000 4G 50 /125 OM2	50 µm	125 µm	242 µm	OM2	4	1	4	0.307 in
26300304	HITRONIC® HRM-FD1000 4G 50 /125 OM3	50 µm	125 µm	242 µm	OM3	4	1	4	0.307 in
26300312	HITRONIC® HRM-FD1800 12G 50 /125 OM3	50 µm	125 µm	242 µm	OM3	12	1	12	0.512 in

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