

vizULO



Mini Martin

TOOL-LESS

CE RoHS 



**Architectural & Landscape**

**Sports Lighting**

**Large Outdoor Industrial Area**

**Agricultural Area**

**Ventilation cable gland**

Combines pressure equalization and cable gland in a single unit. It ensures high air flow rates as well as high water protection capacity

**Glass**

Flat glass. Glass is fixed to die-cast aluminium frame with metal clips and can easily be replaced

**LED module**

High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time. Color temperature available: 3000K, 4000K

*(5000K, 5700K available on customer request)*

**Intelligent light control system**

Power line or radio frequency

**Protection**

IP66 for the complete luminaire

**Module temperature control**

The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB

*(function available on customer request)*

**Body**

Die-cast aluminium

**Lighting protection**

Built-in surge protection starting from 3 kV till 10 kV

**Light regulation**

MINI MARTIN drivers offer integrated midnight dimming and network-controlled 1-10V and DALI protocols

**Impact resistance**

IK08 (Vandal protected) for the complete luminaire



**Traffic roads**

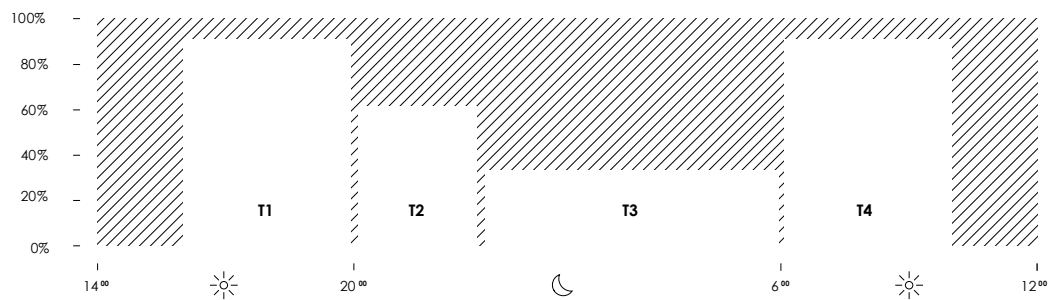
**Pedestrian Roads**

**Residential Street/Area**

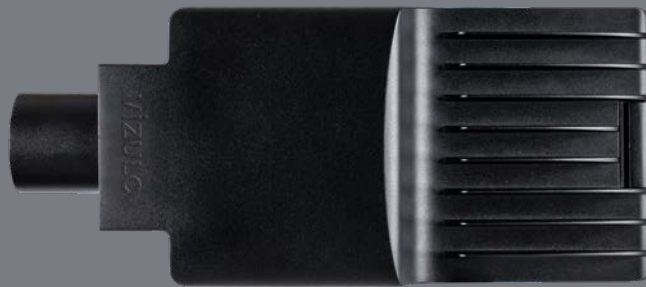
**City Centre**

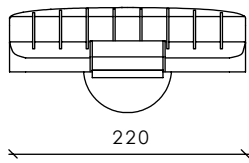
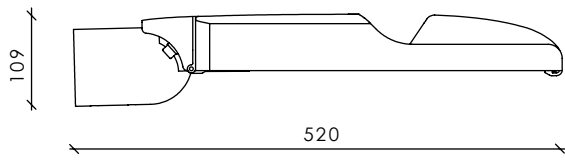
## **Midnight dimming**

Midnight dimming provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on / off times.



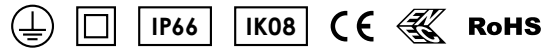
# Mini martin tool-less





Other colors  
available on request

## Technical information



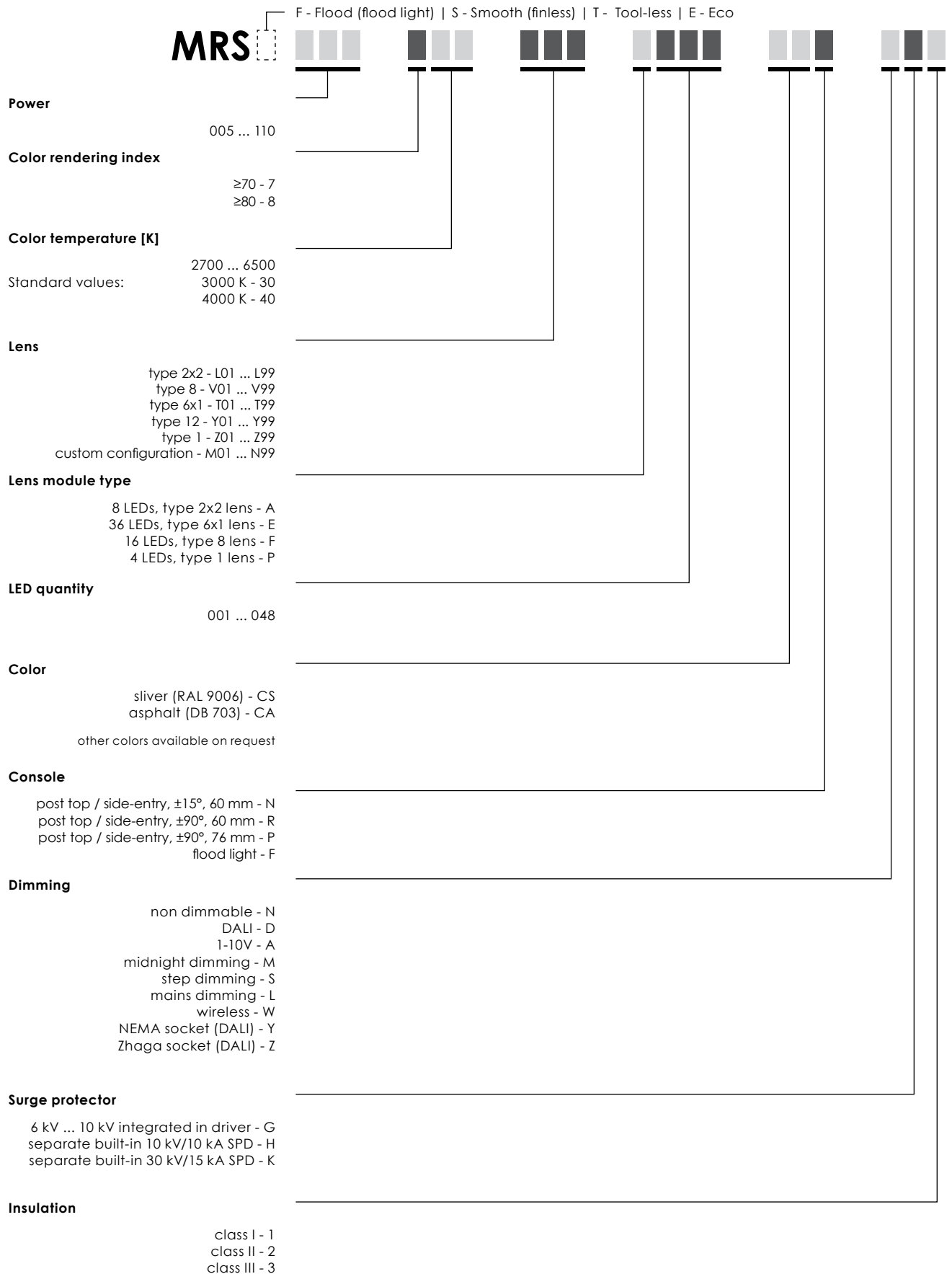
<b>V</b>	220 - 240	1-10V; DALI; Midnight dimming
<b>Hz</b>	50 - 60	Chromaticity tolerance (initial MacAdam): 5
<b>W</b>	10 - 110	Radio frequency
<b>lm</b>	1100 - 13550	Warranty 5 years
<b>lm/W</b>	110 - 136	100 000 h (L95B10C10) at Ta = 25 °C
<b>K</b>	3000 / 4000 / 5000	
<b>°C</b>	-40 to +50	
<b>CRI</b>	>70 / >80 <sup>(1)</sup>	<i>Surge protection:</i> 6kV (L-N) and 10 kV (L/N -PE without DALI connection) <sup>(2)</sup>
		<i>Body:</i> Die-cast aluminum

(1) Luminaries with color rendering index (CRI): Ra >90 on request

(2) 10 kV (L-N; L/N-PE) surge protection device available on request

Standard configuration 35 cm cable. for easy installation, please see accessories- cable connector.  
(This accessories are not included in standard price)

# Model name principles



EXAMPLE MRS 050 740 L01 A024 CSN DG1

## Standard modules

\*Only with optic 01 / 02 / 03

4000K

<b>Number of LED's</b>	8			16			24			36*		
<b>Nominal current, mA</b>	350	520	700	350	500	700	350	500	700	350	500	710
<b>Power, W</b>	10	15	19	20	26	35	29	39	52	40	55	78
<b>Luminous Flux, lm</b>	1220	1820	2260	2550	3310	4350	3810	5060	6580	5470	7390	9930
<b>Efficacy, lm/W</b>	122	121	119	128	127	124	131	130	127	137	134	127
<b>Power factor, PF</b>	0,84	0,92	0,96	0,91	0,95	0,97	0,93	0,95	0,97	0,95	0,98	0,98

Luminaire efficacy	3000 K	10 - 78 W	1060 - 9610 lm	102 - 124 lm/W
	4000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W
	5000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W

## High density modules

Only with optic 01 / 04 / 05 / 20 / 22 / 35

4000K

<b>Number of LED's</b>	16			32			48			
<b>Nominal current, mA</b>	350	500	700	370	500	700	350	500	700	760
<b>Power, W</b>	20	26	35	37	50	68	51	72	102	110
<b>Luminous Flux, lm</b>	2550	3310	4350	5010	6650	8690	7120	9710	13190	13550
<b>Efficacy, lm/W</b>	128	127	124	135	133	128	140	135	129	123
<b>Power factor, PF</b>	0,91	0,95	0,97	0,95	0,97	0,98	0,95	0,97	0,98	0,97

Luminaire efficacy	3000 K	20 - 110 W	2470 - 13620 lm	114 - 131 lm/W
	4000 K	20 - 110 W	2550 - 13550 lm	124 - 140 lm/W
	5000 K	20 - 110 W	2550 - 14070 lm	134 - 140 lm/W



4000K

<b>Number of LED's</b>	8			16			24		
<b>Nominal current, mA</b>	350	500	700	350	500	700	350	500	700
<b>Power, W</b>	19	26	38	37	52	75	54	76	110
<b>Luminous Flux, lm</b>	2580	3390	4460	5120	6770	8920	7680	10070	13270
<b>Efficacy, lm/W</b>	136	130	117	138	130	119	142	133	121
<b>Power factor, PF</b>	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,99

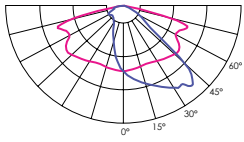
# Logistic information

Carton size/cm L*W*H	Quantity per carton/pcs	Pallet quantity in 20' sea container	Pallet quantity in 40' sea container	QTY per pallet/pcs	Full palette size/cm L*W*H	Number of luminaires per row	Number of rows
54,5 x 23,5 x 16,5	1	20	25	70	120 x 80 x 177	7	10

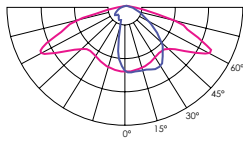
	NETO WEIGHT/KG		BRUTO WEIGHT/KG	
	Per 1 pcs	Per pallet	Per 1 pcs	Per pallet
MINI MARTIN 1 module luminaires	5,5	385	6,1	427
MINI MARTIN 2 module luminaires	5,55	388,5	6,15	430,5
MINI MARTIN 3 module luminaires	5,6	392	6,2	434
MINI MARTIN 4 module luminaires	5,65	395,5	6,25	437,5

# Optics

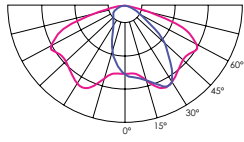
01



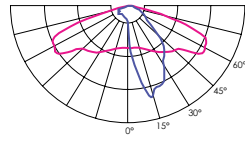
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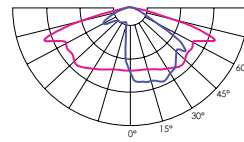
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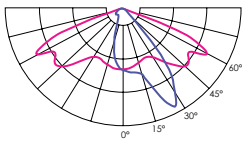
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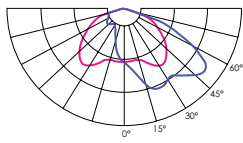
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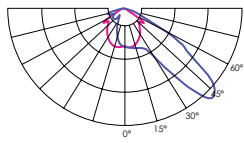
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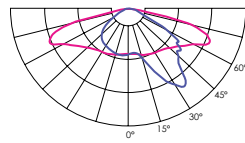
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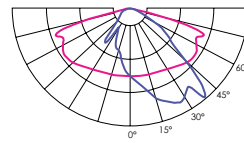
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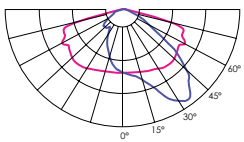
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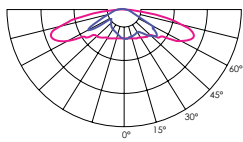
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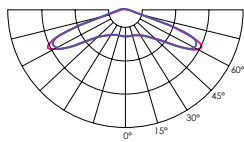
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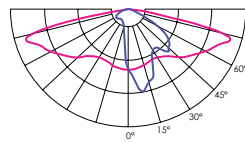
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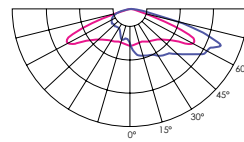
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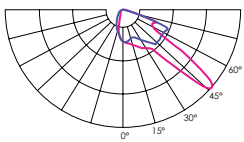
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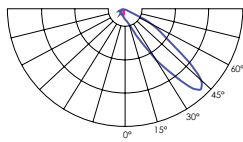
35



36



37

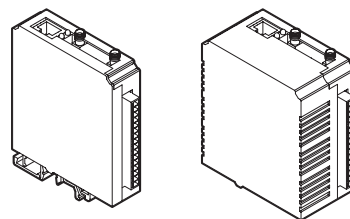


# Accessories

## Citintelly Segment controller

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

Art. 70010004

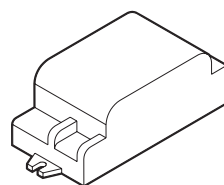


## Citintelly Luminaire controller

Luminaire Controller is wireless mesh-networking device that uses 868 MHz for communication with Segment Controller and other Luminaire Controllers. It is delivered in various configurations to meet the needs of your applications.

Art. 70010001 /  
LC2M-23-05-R Luminaire  
Controller - 2 relays

Art. 70010002 /  
LC2M-12-05-R Luminaire  
Controller - 1 relay



## Citintelly Surge Protection device

Surge Protection device offers protection against lighting surges;

Voltage Protection level up (L-N)  $\leq 1,5$  kV

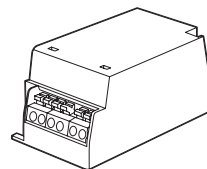
Voltage Protection level up (L/N-PE)  $\leq 2,0$  kV

$U_{oc} = 10$  kV

$I_{max} = 10$  kA

$I_{nom} = 5$  kA

Art. 70020001



## Radio Frequency Antenna

Heavy duty IP67 enclosure  
Mounted in cabinet or luminaire body  
with 14 mm screw  
SMA connector

Art. 70000108



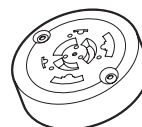
## NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires

2213362-4, 7 pin NEMA socket 105°C wires

Art. 70000362

Art. 70000333



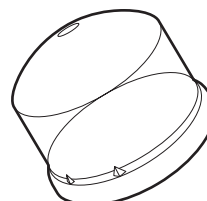
## Dummy Link for NEMA Socket

Art. 70000113



## MSLC205RGL Luminaire controller, Zhaga, 80mm

Art. 70010029



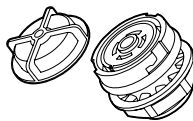
**Zhaga socket no cap**

Art. 70000612



**Zhaga socket with cap**

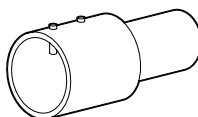
Art. 70000613



**Console adapter**

Spigot size 60 - 76mm

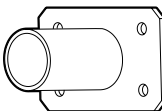
Art. 70044002



**Wall mounting bracket**

Spigot size 40 - 60 mm

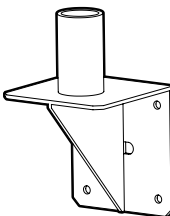
Art. 70044001



**Wall mounting bracket**

Vertical

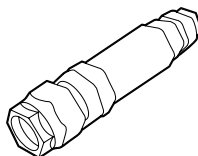
Art. 70044004



**Connector**

IP66 rated connector offers easy installation of the street luminaires.  
3 wire cable connector

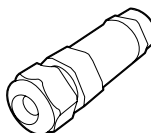
Art. 70000313



**Connector**

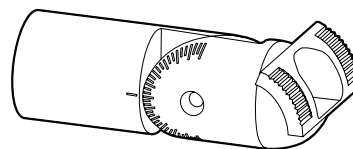
IP66 rated connector offers easy installation of the street luminaires.  
5 wire cable connector

Art. 70000304



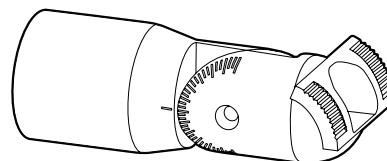
**Adjustable Console ±90°**  
60 mm - Mini Martin / Micro Martin

Art. 70055005



**Adjustable Console ±90°**  
76 mm - Mini Martin / Micro Martin

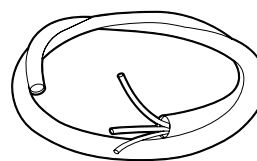
Art. 70055006



**Pre-installed cable sets**

For internal power supply:

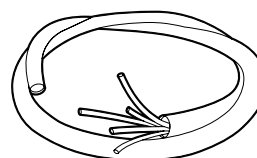
3 x 1,5 mm - 0,5 m long cable.....	Art. 70000319
3 x 1,5 mm - 5 m long cable.....	Art. 70000320
3 x 1,5 mm - 6 m long cable.....	Art. 70000321
3 x 1,5 mm - 8 m long cable.....	Art. 70000322
3 x 1,5 mm - 10 m long cable.....	Art. 70000323
3 x 1,5 mm - 12 m long cable.....	Art. 70000324
3 x 1,5 mm - 18 m long cable.....	Art. 70000325
3 x 1,5 mm - 20 m long cable.....	Art. 70000425
3 x 1,5 mm - 22 m long cable.....	Art. 70000426
3 x 1,5 mm - 25 m long cable.....	Art. 70000427
3 x 1,5 mm - 32 m long cable.....	Art. 70000430
3 x 1,5 mm - 42 m long cable.....	Art. 70000431
3 x 1,5 mm - 50 m long cable.....	Art. 70000432



**Pre-installed cable sets**

For internal power supply:

5 x 1,5 mm - 0,5 m long cable.....	Art. 70000305
5 x 1,5 mm - 5 m long cable.....	Art. 70000316
5 x 1,5 mm - 6 m long cable.....	Art. 70000317
5 x 1,5 mm - 8 m long cable.....	Art. 70000318
5 x 1,5 mm - 10 m long cable.....	Art. 70000306
5 x 1,5 mm - 12 m long cable.....	Art. 70000307
5 x 1,5 mm - 18 m long cable.....	Art. 70000308
5 x 1,5 mm - 20 m long cable.....	Art. 70000428
5 x 1,5 mm - 22 m long cable.....	Art. 70000429
5 x 1,5 mm - 25 m long cable.....	Art. 70000429
5 x 1,5 mm - 32 m long cable.....	Art. 70000433
5 x 1,5 mm - 42 m long cable.....	Art. 70000434
5 x 1,5 mm - 50 m long cable.....	Art. 70000435



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