

vizULO



MINI
MARTIN



- | **Architectural & Landscape**
- | **Sports Lighting**
- | **Large Outdoor Industrial Area**
- | **Agricultural Area**

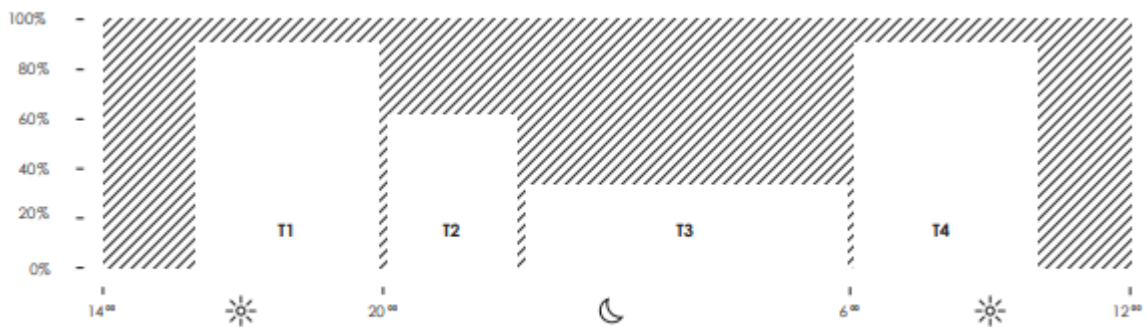
- | **Ventilation cable gland**
Combines pressure equalization and cable gland in a single unit. It ensures high air flow rates as well as high water protection capacity
- | **Glass**
Flat glass. Glass is fixed to die-cast aluminium frame with screws
- | **LED module**
High quality LED's with optimal 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

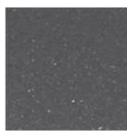
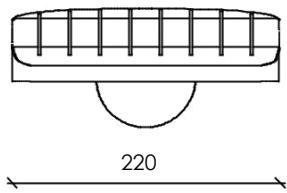
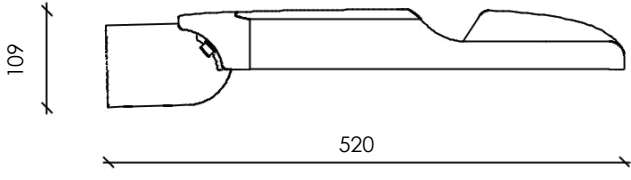
- | **Module temperature control**
The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB (function available on customer request)
- | **Body**
Die-cast aluminium
- | **Lighting protection**
Built-in surge protection starting from 6 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

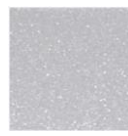
Midnight dimming

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.



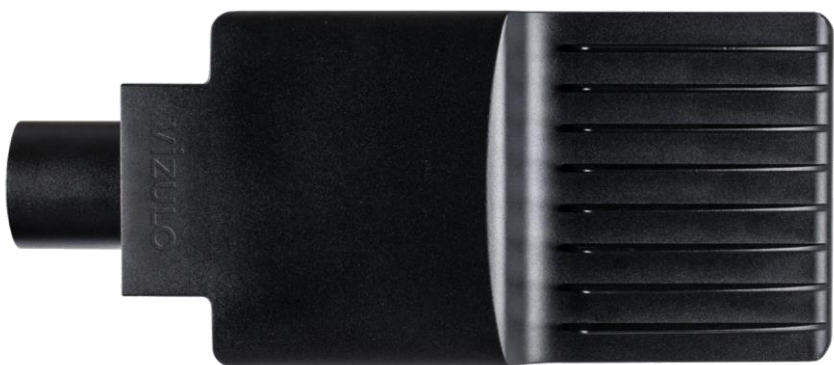


D B 7 0 3

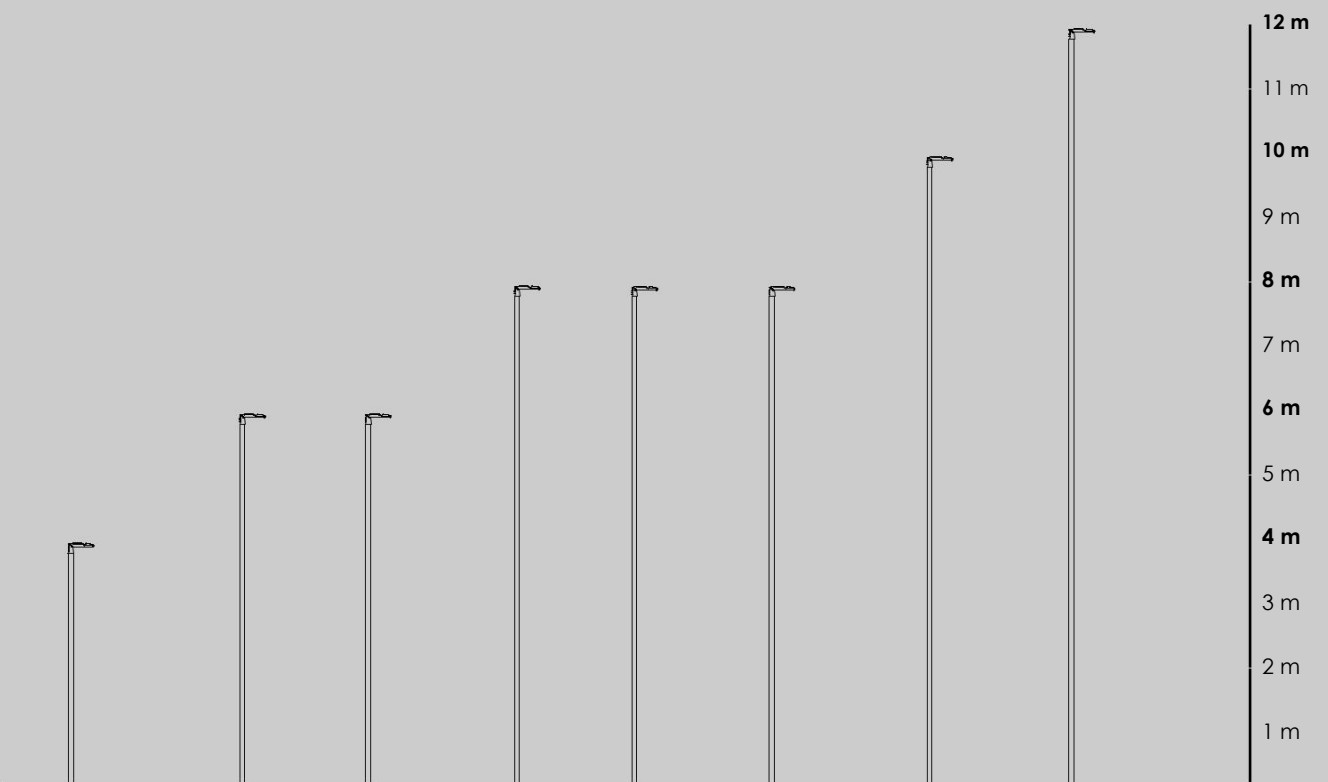


R A L 9 0 0 6

OTHER COLORS AVAILABLE ON REQUEST

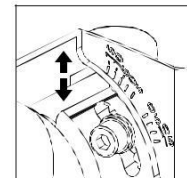
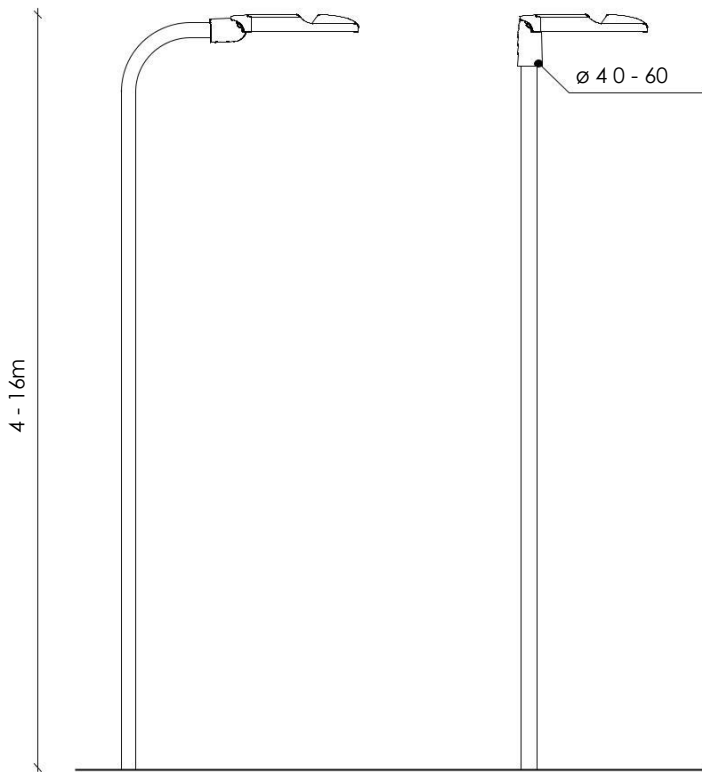


| Pole height proposition

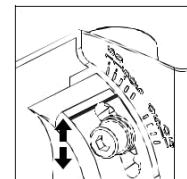


Pole height	4m	6 - 8 m	8 m	8 - 10 m	10 m	14 - 16 m
Standard modules	18 W	37 W	52 W			
High-power modules				78 W		
High-density modules		37 W		68 W	102 W	110 W

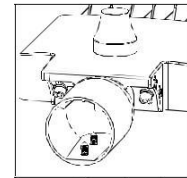
| Console



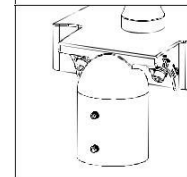
$\leq 0 \dots 15$



$\leq -15 \dots 0$



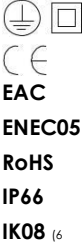
Horizontal
entry



Vertical
entry

Technical information

ECO

V 220 - 240	1-10V; DALI; Midnight dimming	
Hz 50 - 60	Radio frequency / Power line ¹³	
W 37 - 280	Body: Die-cast aluminum	
lm 5161 - 32786	Spigot: ø 40 -60, with accessories ø 32; ø 76	
lm/W 121 - 148	Neto weight: 5,5 - 5,65 kg	
K 3000 / 4000 ¹¹	10 kV ¹⁴	
°C -40 to +50	Warranty 5 years	
CRI >70 ¹²	100 000 h (L80B10C10) ¹⁵	
	Max.wind load area, SCd, m ₂ : 0,036	

MRSE 020 740 L02 A006 CSN DG1:

Number of LED's	6
Nominal current, mA	490
Power, W	20
Luminous Flux, lm*	2598
Efficacy, lm/W	129.9
Power factor, PF	0,92

¹ 5000; 5700 K available on request

² Luminaries with color rendering index (CRI): Ra > 80 is available according to customers special orders

³ Optional. Available only with DALI ; 1 - 10 V

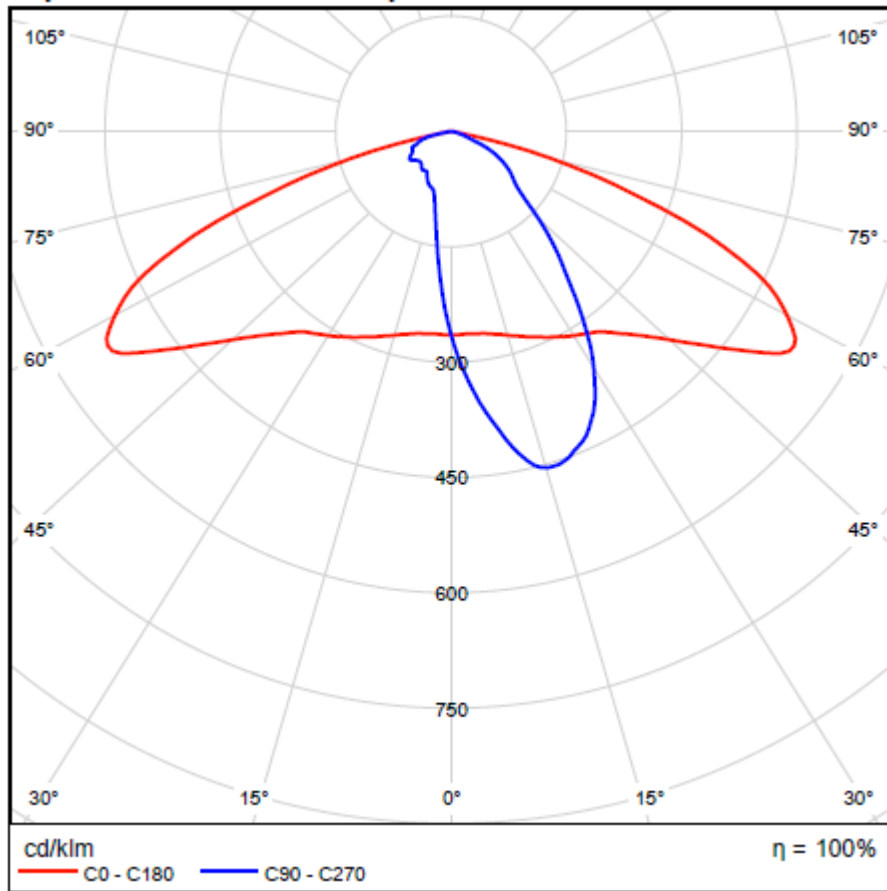
⁴ 10 kV (L-N; L/N-PE) surge protection device available on request

⁵ at Ta=25°C, this value is only informative and may change according to selected article

⁶ IK09 is available according to customers special orders

* Preliminary data

| Optic

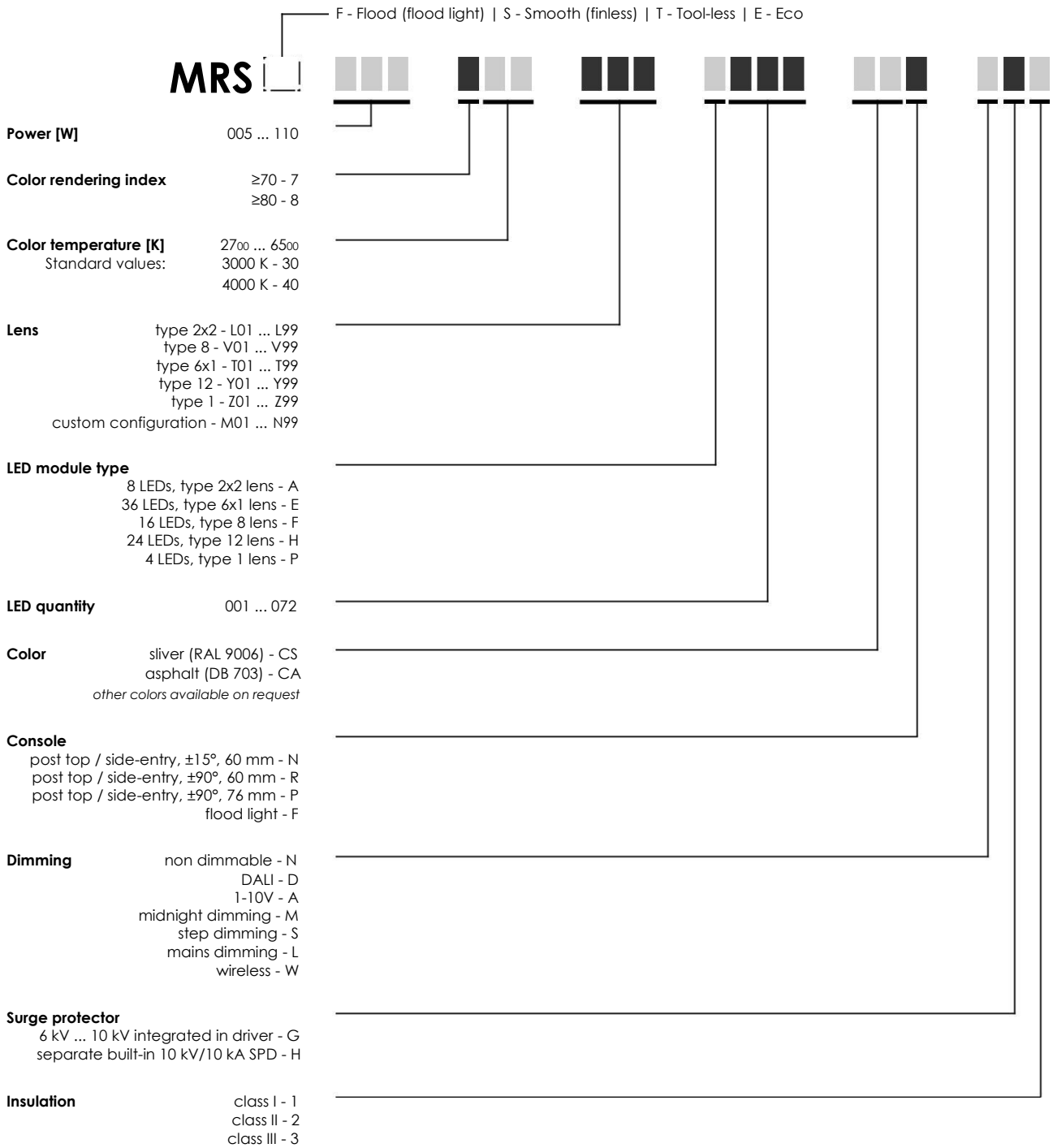


| Logistic information

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	11	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

Model name principles



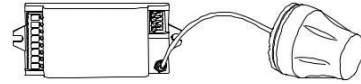
EXAMPLE MRSF 005 730 L99 A001 CSN NG1

Accessories

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.

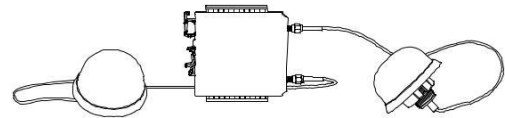
Art. 70010001 | Luminaire controller, 2 relay
Art. 70010002 | Luminaire controller, 1 relay



Citintelly Segment controller

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

Art. 70000101

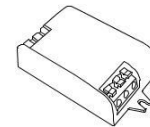


Citintelly Surge Protection device

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) $\leq 1,8$ kV
 $U_{oc} = 10$ kV
 $I_{max} = 10$ kA
 $I_{nom} = 5$ kA

Art. 70002001

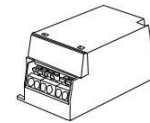


Surge Protection device

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. 70000203



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 Art. 70000362
2213362-4, 7 pin NEMA socket 105°C wires Art. 70000333



Dummy Link for NEMA Socket

Art. 70000113



Connector

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

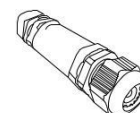
Art. 70000313



Connector

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

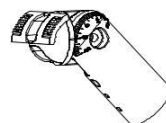
Art. 70000315



Adjustable Console ±90°

Spigot size 60 mm

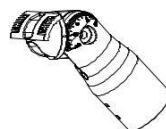
Art. 70055005



Adjustable Console ±90°

Spigot size 76 mm

Art. 70055006



Console

Spigot size 76 mm

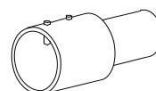
Art. 70044011



Console adapter

Spigot size 60 - 76 mm

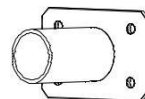
Art.70044002



Wall mounting bracket

Spigot size 40 - 60 mm

Art.70044001



Wall mounting bracket

Vertical

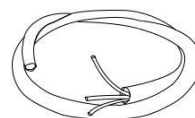
Art.70044004



Pre-installed cable sets

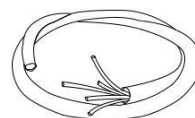
Pre-installed cables sets in the luminaire
Diameter of the cable:

- 3 x 1,5 mm - 0,5 m length Art. 70000319
- 3 x 1,5 mm - 5 m length Art. 70000320
- 3 x 1,5 mm - 6 m length Art. 70000321
- 3 x 1,5 mm - 8 m length Art. 70000322
- 3 x 1,5 mm - 10 m length Art. 70000323
- 3 x 1,5 mm - 12 m length Art. 70000324
- 3 x 1,5 mm - 18 m length Art. 70000325



Pre-installed cables sets in the luminaire
Diameter of the cable:

- 5 x 1,5 mm - 0,5 m length Art. 70000305
- 5 x 1,5 mm - 5 m length Art. 70000316
- 5 x 1,5 mm - 6 m length Art. 70000317
- 5 x 1,5 mm - 8 m length Art. 70000318
- 5 x 1,5 mm - 10 m length Art. 70000306
- 5 x 1,5 mm - 12 m length Art. 70000307
- 5 x 1,5 mm - 18 m length Art. 70000308



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