

# CMS-CMA

ARMoured AND UNARMoured MULTIPOLAR CABLES



CMS-CMA

## DESCRIPTION

Armoured and unarmoured multipolar cables for Pan & Tilt and housings.  
They are suitable for use in hostile environments.

## MAIN FEATURES

Prepared for Ethernet, video, I/O and telemetry connections  
Resistant to oil, flame spread and ultra-violet rays  
Available in an armoured and unarmoured version  
Designed for potentially explosive zones

## TECHNICAL DATA

### CMSN2200

#### GENERAL

Unarmoured black cable: 2 Ethernet cables, 3 power supply conductors, 2 coaxial video cables, 15 shielded I/O cables

#### MECHANICAL

Unarmoured cable

External diameter: 18.6mm (0.73in) ± 0.35mm (0.01in)

Minimum bending radius: 186mm (7.3in)

Colour: Black (RAL9005)

Type of laying: fixed installation

#### ELECTRICAL

Power supply

- Number of conductors: 3
- Section: 1.5mm<sup>2</sup> (15AWG)
- Working voltage: 300V max

#### NETWORK

Ethernet cable

- Number of cables: 2
- Category: 5e
- Shielded cables

#### VIDEO

2 coaxial cables, RG179

#### I/O

Alarms, relay and telemetry

- Number of conductors: 15
- Section: 0.34mm<sup>2</sup> (22AWG)
- Shielded cable

#### ENVIRONMENT

Temperature: from -40°C (-40°F) up to +85°C (+185°F)

#### CERTIFICATIONS

Oil resistant: complies with CNOMO E.03.40.150N, ASTM n.2, IRM 902, IEC60811-2-1

UV resistant: complies with UL1581

Resistance to flame spread: complies with IEC/EN60332-1

Halogen free: complies with EN50267-2, IEC/EN60754

Fixed installation: complies with IEC/EN60079-14 (ATEX Ex II)

RoHS (CE): complies with 2015/863/EU

UL Style 20233

#### PART NUMBER

CMSN2200 Unarmoured black cable, available by the metre (minimum order 10m (32.8ft)): 2 Ethernet cables, 3 power supply wires, 2 coaxial video cable, 15 wires for alarms, relays and telemetry

### CMAN1300

#### GENERAL

Armoured black cable: 1 Ethernet cable, 3 power supply conductors, 1 coaxial video cable, 8 shielded I/O cables

#### MECHANICAL

Armoured cable

External diameter: 20.5mm (0.8in) ± 0.5mm (0.02in)

Diameter under armature: 16mm (0.63in)

Minimum bending radius: 184.5mm (72.6in)

Colour: Black (RAL9005)

Type of laying: fixed installation

#### ELECTRICAL

Power supply

- Number of conductors: 3
- Section: 2.5mm<sup>2</sup> (13AWG)
- Working voltage: 300V max

#### NETWORK

Ethernet cable

- Number of cables: 1
- Section: 4x2x0.22mm<sup>2</sup> (24AWG)
- Category: 5e
- Shielding: SF/UTP

#### VIDEO

1 coaxial cable, RG179

#### I/O

Alarms, relay and telemetry

- Number of conductors: 8
- Section: 0.34mm<sup>2</sup> (22AWG)
- Shielded cable

#### ENVIRONMENT

Temperature: from -60°C (-76°F) up to +105°C (+221°F)

#### CERTIFICATIONS

Oil resistant: complies with CNOMO E.03.40.150N, ASTM n.2, IRM 902, VDE 0472 p.803 test B

UV resistant: complies with IEC60068-2-5

Resistance to flame spread: complies with IEC/EN60332-1, IEC/EN60332-3-22

Halogen free: EN50267-2-1

Fixed installation: complies with IEC/EN60079-14 (ATEX Ex II)

RoHS (CE): complies with 2015/863/EU

#### PART NUMBER

CMAN1300 Armoured black cable, available by the metre (minimum order 10m (32.8ft)): 1 Ethernet cable, 3 power supply conductors, 1 coaxial video cable, 8 conductors for alarms and relay

## CMAN0401

### GENERAL

Armoured black cable: 1 Ethernet cable, 3 power supply conductors

### MECHANICAL

Armoured cable

External diameter: 16.8mm (0.66in) ± 0.4mm (0.016in)

Diameter under armature: 12.4mm (0.5in) ± 0.3mm (0.012in)

Minimum bending radius: 168mm (6.6in)

Colour: Black (RAL9005)

Type of laying: fixed installation

### ELECTRICAL

Power supply

- Number of conductors: 3
- Section: 1.5mm<sup>2</sup> (15AWG)
- Working voltage: 300V max

### NETWORK

Ethernet cable

- Number of cables: 1
- Section: 4x2x0.22mm<sup>2</sup> (24AWG)
- Category: 5e
- Shielding: SF/UTP

### ENVIRONMENT

Temperature: from -40°C (-40°F) up to +105°C (+221°F)

### CERTIFICATIONS

Oil resistant: complies with CNOMO E.03.40.150N, ASTM n.2, IRM 902, VDE 0472 p.803 test B, CEI 20-34

UV resistant: complies with IEC/EN60068-2-5

Resistance to flame spread: complies with IEC/EN60332-1-2, IEC/EN60332-3-22

Halogen free: complies with EN50267-2, IEC/EN60754

Fixed installation: complies with IEC/EN60079-14 (ATEX Ex II)

RoHS (CE): complies with 2015/863/EU

### PART NUMBER

CMAN0401 Armoured black cable, available by the metre (minimum order 10m (32.8ft)): 1 Ethernet cable, 3 power supply conductors

## CMSN0400

### GENERAL

Unarmoured black cable: 1 Ethernet cable, 3 power supply conductors

### MECHANICAL

External diameter: 13.6mm (0.5in) ± 0.2mm (0.008in)

External diameter, ETH cable: 6.6mm (0.3in)

Minimum bending radius: 136mm (5.3in)

Colour: Black (RAL9005)

Type of laying: fixed installation

### ELECTRICAL

Power supply

- Number of conductors: 3
- Section: 1.5mm<sup>2</sup> (15AWG)
- Working voltage: 300V max

### NETWORK

Ethernet cable

- Number of cables: 1
- Section: 4x2x0.22mm<sup>2</sup> (24AWG)
- Category: 5e
- Shielding: SF/UTP

### ENVIRONMENT

Temperature: from -40°C (-40°F) up to +105°C (+221°F)

### CERTIFICATIONS

Oil resistant: complies with VDE 0472/803B, CEI 20-34, CNOMO E.03.40.150N, ASTM n.2, IRM 902

UV resistant: complies with IEC/EN 60068-2-5

Resistance to flame spread: complies with IEC/EN 60332-1-2

Halogen free: complies with EN50267-2, IEC/EN60754

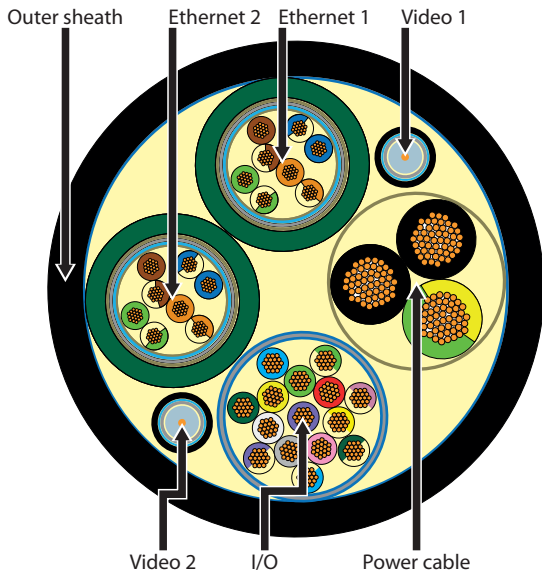
Fixed installation: complies with IEC/EN60079-14 (ATEX Ex II)

RoHS (CE): 2015/863/EU

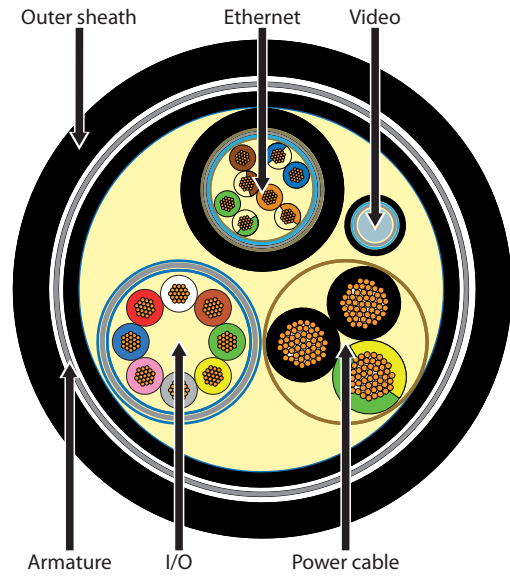
LSZH

### PART NUMBER

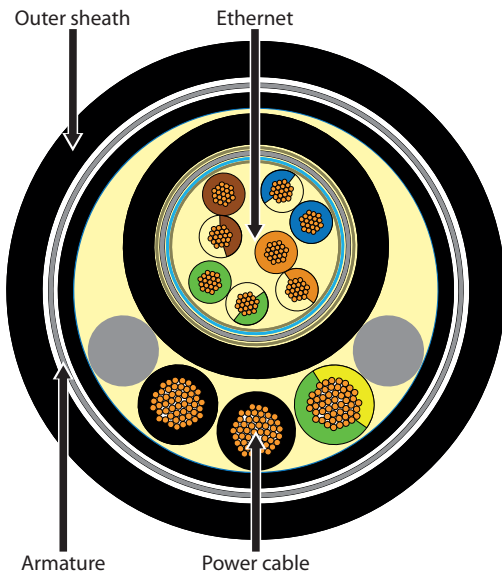
CMSN0400 Unarmoured multipolar black cable, available by the metre (minimum order 10m (32.8ft)): 1 Ethernet cable, 3 power supply wires



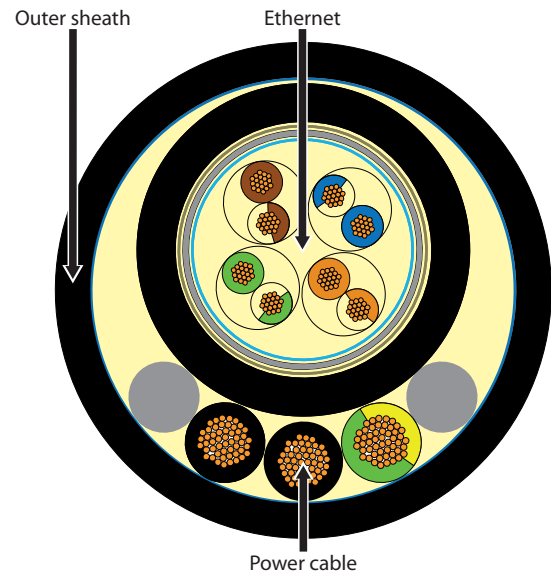
CMSN2200, CABLE SECTION



CMAN1300, CABLE SECTION



CMAN0401, CABLE SECTION



CMSN0400, CABLE SECTION

**CMS-CMA COMPATIBILITY/PRODUCTS**

Model Number	MAXIMUS MPX SERIES2	MAXIMUS MPXR SERIES2	MAXIMUS MPXT SERIES2	MAXIMUS MMX	MAXIMUS MVX	MAXIMUS MVXT	NXPTZ SERIES2	NXPTZB SERIES2	NXPTZT SERIES2
CMSN2200	✓	✓	✓	-	✓	✓	✓	✓	✓
CMAN1300	✓	✓	✓	-	✓	✓	-	-	-
CMAN0401	-	-	-	✓	-	-	-	-	-
CMSN0400	-	-	-	✓	-	-	-	-	-