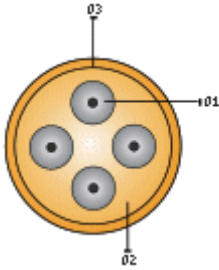


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### Militar Distribution Cable (Up to 12 FO)



#### Cable Description

- 01. Tight Buffer Fibre (0.9 mm)
- 02. Aramid
- 03. Outer Jacket

#### Norms / Approvals

Based on military norm MIL-C-85045

#### Options

- Easy-Strip Buffer
- PU-LSZH Jacket



#### Advantages

Compact / Lightweight / Flexible / Easy to strip (gel free) / Totally dielectric / Reduced diameter / Direct connectorization / Based on military norm.



TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE

All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

### SPECIFICATIONS

	2	4	6	8	10	12
<b>Fibres</b>	2	4	6	8	10	12
<b>Strength Members</b>	Aramid Yarns					
<b>Outer jacket</b>	Polyurethane					
<b>Colour</b>	Black					
<b>Weight (Kg/Km)</b>	21	24	27	33	36	39
<b>Outer Ø (mm)</b>	5.1 ± 0.3	5.5 ± 0.3	5.9 ± 0.3	6.6 ± 0.3	6.8 ± 0.3	7.0 ± 0.3
<b>Tensile Load Perm / Inst (N)</b>	600 / 1100				700 / 1250	
<b>Crush (N)</b>	2000					
<b>Temperature Range</b>	-40 °C to +70 °C					
<b>Min. Bending Radius</b>	20 x Outer Ø					
<b>Maximum Length</b>	4200 m					

Colour Fibres = blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise.

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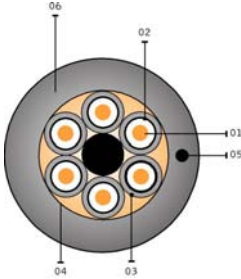
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# OPTRAL

## CDIR-M



### Militar Breakout Cable (Up to 12 FO)



**Descripción cable**

- 01. Tight Buffer Fibre (0.9 mm)
- 02. Aramid
- 03. Individual Jacket (Ø 2.5 mm)
- 04. Aramid
- 05. Ripcord
- 06. Outer Jacket

**Norms / Approvals**

Based on military norm MIL-C-85045

**Options**

- Easy-Strip Buffer
- PU-LSZH Jacket



**Advantages**

Compact / Resilient / Tough / Excellent mechanical resistance / Easy to strip (gel free) / Totally dielectric / Direct connectorization / Based on military norm



TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE

All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

**SPECIFICATIONS**

	2	4	6	8	12
<b>Fibres</b>	2	4	6	8	12
<b>Subcables strength members</b>	Aramid Yarns				
<b>Subcables Ø (mm)</b>	2.5				
<b>Subcables jacket</b>	Thermoplastic LSZH <sup>1</sup>				
<b>Identification</b>	Colours <sup>2</sup>				
<b>Outer jacket</b>	Polyurethane				
<b>Colour</b>	Black				
<b>Weight (Kg/Km)</b>	63	63	87	124	130
<b>Outer Ø (mm)</b>	9.0 ± 0.3	9.0 ± 0.3	10.5 ± 0.3	12.2 ± 0.5	13.0 ± 0.5
<b>Tensile Load Perm / Inst (N)</b>	900 / 1600	1200 / 2150	1500 / 2700	1900 / 3400	2500 / 3500
<b>Crush (N)</b>	2000				
<b>Temperature Range</b>	-40 °C to +70 °C				
<b>Min. Bending Radius</b>	20 x Outer Ø				
<b>Max. Length</b>	3200 m				

<sup>1</sup> LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

<sup>2</sup> Colour Fibres = blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise.

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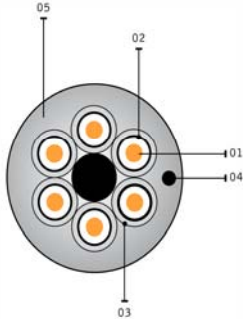
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# OPTRAL



## CDIR-M / ET.63.503

### Militar Breakout Cable (Up to 12 FO)



#### Descripción cable

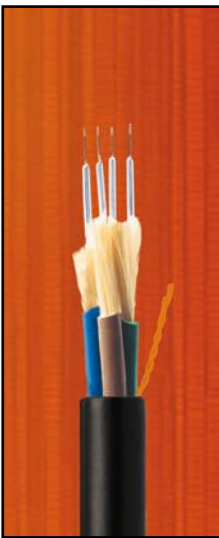
- 01. Tight Buffer Fibre (0.9 mm)
- 02. Aramid
- 03. Individual Jacket (Ø 2.5 mm)
- 04. Ripcord
- 05. Outer Jacket

#### Norms / Approvals

Based on military norm MIL-C-85045

#### Options

- Easy-Strip Buffer
- PU-LSZH Jacket



#### Advantages

Compact / Resilient / Tough / Excellent mechanical resistance / Easy to strip (gel free) / Totally dielectric / Direct connectorization / Based on military norm



TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE

All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

	SPECIFICATIONS				
Fibres	2	4	6	8	12
Subcables strength members	Aramid Yarns				
Subcables Ø (mm)	2.5				
Subcables jacket	Thermoplastic LSZH <sup>1</sup>				
Identification	Colours <sup>2</sup>				
Outer jacket	Polyurethane				
Colour	Black				
Weight (Kg/Km)	54	54	73	95	122
Outer Ø (mm)	8.4 ± 0.3	8.4 ± 0.3	9.9 ± 0.3	11.6 ± 0.5	12.4 ± 0.5
Tensile Load Perm / Inst (N)	600 / 1000	800 / 1350	1200 / 2050	1600 / 2700	2400 / 3500
Crush (N)	2000				
Temperature Range	-40 °C to +70 °C				
Min. Bending Radius	20 x Outer Ø				
Max. Length	3200 m				

<sup>1</sup> LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

<sup>2</sup> Colour Fibres = blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise.

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