



CONTACT

Market information
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ENCODER PUR

Measuring systems cables according to FANUC standard for dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen free

STANDARDS

Product UL and CSA approval

DESIGN

Insulation colour code:

1x2x0.18 mmq:

Brown + White

5x0.5 mmq:

Blue + Pink + Green + Yellow + Grey

2x2x0.18 mmq :

(Brown + White) + (Violet + Black)

5x0.5 mmq:

Blue + Pink + Green + Yellow + Grey

4x2x0.22 mmq:

(Brown + Black) + (Brown/Red)

(Yellow + Black) + (Yellow/Red)

(Green/Black) + (Green/Red)

(Grey/Black) + (Grey/Red)

2x0.5 mmq:

Brown + Yellow

3x2x0.18 mmq:

(Red + White) + (Red + Black)

(Black + White)

6x0.5 mmq:

3 x Red num. 4-6 + 3 x Black num. 1-3

5x2x0.18 mmq:

(Black + Orange) + (Black + Grey)

(White + Yellow) + (White + Grey) + (White + Brown)

6x0.5 mmq:

3 x Red num. 4-6 + 3 x Black num. 1-3



Halogen free
Yes



Storage temperature, range
-50 ... 80 °C



Operating temp.
20 ... 80 °C



Oil resistance
EN 50363-10-2



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS

Construction characteristics

Conductor material	Tinned copper
Insulation	Polyolefin
Insulation colour	See Tab
Lay Up	Please request detailed data sheet
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

Electrical characteristics

Rated Voltage U ₀ /U	300 V
Test voltage	1500 V

Mechanical characteristics

Speed	220 m/min
Maximum acceleration	12 m/s ²
Bending cycles	10 Mio.

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Storage temperature, range	-50 ... 80 °C
Operating temperature, range	-20 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Copper content [kg/km]
10554370	13-MYF21Z09P-V1	13-MYF - 5x0.50 + 2x2x0.18	(2x2x0.18+5x0.5)C	7.7	47
10554373	13-MYF21Z12P-V1	13-MYF - 3X2X0.18 + 6X0.5	(3x2x0.18+6x0.5)C	8.7	64
10554376	13-MYF21Z16P-V1	13-MYF - 5X2X0.18 + 6X0.5	(5x2x0.18+6x0.5)C	8.7	71

= Make to order, = In stock,



Halogen free
Yes



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-50 ... 80 °C



Operating temp.
-20 ... 80 °C



Oil resistance
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Flame retardant
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Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Copper content [kg/km]
10554372	13-MYF21Z10P-V1	13-MYF - 4X2X0.22 + 2X0.5	(4x2x0.22+2x0.5)C	7.6	72
10554367	13-MYF17Z12P-V1	13-MYF - 3X2X0.18 + 6X1.0	(3x2x0.18+6x1)C	8.7	88
10554368	13-MYF21Z07P-V1	13-MYF - 1x2x0.18 + 5x0.5	(1x2x0.18+5x0.5)C	7.6	45

= Make to order, = In stock,



Halogen free
Yes



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-50 ... 80 °C



Operating temp.
-20 ... 80 °C



Oil resistance
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Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1