



### CONTACT

Market information  
industryprojects.business@lynx  
ogroup.com

### 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 <sub>0</sub> /U	300 V
Test voltage	1500 V

### Mechanical characteristics

Speed	220 m/min
Maximum acceleration	12 m/s <sup>2</sup>
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



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

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



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