



(dimensions and colors indicative)

1. Construction

1.- CONDUCTOR: ANNEALED STRANDED COPPER WIRES: According to IEC 60228 Class 2

2.- INSULATION: XLPE compound, according to IEC 60092-360

3.- LAY-UP of paris

4.- SEPERATION TAPES: Polyester tape

5.- OVERSHEATH: LSZH COMPOUND SHF1 TYPE , according to IEC 60092-360, BLACK Colour

7.- MARKING: [] PRYSMIAN -AFUMEX MARINE CABLES -TN (03XPZ1-R/LJT-HF) nc X sect mm2 - 250 V - IEC 60092-376 - IEC 60332-3/A + YEAR + metric marking (by ink)

[] Production Plant Code

2. Technical Characteristics

Characteristics	Standard & Value
Design standard:	IEC 60092-376
Voltage rating:	250 V
Maximum conductor temperature:	90 °C
Minimum bending radius:	4 D
Operating/Installation Temperature Range:	-15°C to 55°C

3. Additional requirements

Flame retardant: IEC 60332-1	Blue & White core with number printed pairs
Fire propagation: IEC 60332-3-22 (Cat.A)	
Smoke Density: IEC 61034 1/2	
Amount of Halogen Acid Gas : IEC 60754-1/2	

4. Colour Code of insulation

Technical Datasheet									Date: 15/11/2019	
									Rev No. 2	
									RD-MAR/20-07-02	
General		Constructional Data					Shipping		Electrical Data	
CABLE TYPE	CROSS SECTION	NOMINAL INSULATION THICKNESS	NOMINAL DIAMETER OF BRAID WIRE ARMOUR	APPROX. DIAMETER OVER ARMOUR	NOMINAL OVERSHEATH THICKNESS	APPROX. EXTERNAL DIAMETER	APPROX. MASS OF CABLE	NOMINAL SHIPPING LENGTH	MAX. DC RESISTANCE AT 20 °C	APPROX. REACTANCE AT 50HZ TREFOIL FORMATION
	mm ²	mm	mm	mm	mm	mm	kg/km	m	ohm/km	ohm/km
TN (03XPZ1-R/LJT-HF)	1x2x0,75	0,5	N.A	N.A	1,1	7,0	50	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	2x2x0,75	0,5	N.A	N.A	1,1	8,0	63	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	4x2x0,75	0,5	N.A	N.A	1,2	12,0	140	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	7x2x0,75	0,5	N.A	N.A	1,3	15,0	210	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	8x2x0,75	0,5	N.A	N.A	1,4	16,0	240	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	10x2x0,75	0,5	N.A	N.A	1,4	17,0	280	1000	26,00	0,124
TN (03XPZ1-R/LJT-HF)	14x2x0,75	0,5	N.A	N.A	1,5	18,0	360	1000	26,00	0,124



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1.- CONDUCTOR: ANNEALED STRANDED COPPER WIRES: According to IEC 60228 Class 2

2.- INSULATION: XLPE compound, according to IEC 60092-360

3.- LAY-UP of pairs

4.- COLLECTIVE SHIELD: AL/PET tape + drain wire

5.- OVERSHEATH: LSZH COMPOUND SHF1 TYPE , according to IEC 60092-360, GREY Colour

7.- MARKING: [] PRYSMIAN -AFUMEX MARINE CABLES -TN (03XPATZ1-R/LJT-HF) nc X sect mm² - 250 V - IEC 60092-376 - IEC 60332-3/A + YEAR + metric marking (by ink)

[] Production Plant Code

2. Technical Characteristics

Characteristics	Standard & Value
Design standard:	IEC 60092-376
Voltage rating:	250 V
Maximum conductor temperature:	90 °C
Minimum bending radius:	4 D
Operating/Installation Temperature Range:	-15°C to 55°C

3. Additional requirements

4. Colour Code of insulation

Flame retardant: IEC 60332-1	Blue & White core with number printed pairs
Fire propagation: IEC 60332-3-22 (Cat.A)	
Smoke Density: IEC 61034 1/2	
Amount of Halogen Acid Gas : IEC 60754-1/2	

Technical Datasheet

Date: 07/02/2020
Rev No. 1
RD-MAR/19-04-10f

General		Constructional Data					Shipping		Electrical Data	
CABLE TYPE	CROSS SECTION	NOMINAL INSULATION THICKNESS	NOMINAL DIAMETER OF BRAID WIRE ARMOUR	APPROX. DIAMETER OVER ARMOUR	NOMINAL OVERSHEATH THICKNESS	APPROX. EXTERNAL DIAMETER	APPROX. MASS OF CABLE	NOMINAL SHIPPING LENGTH	MAX. DC RESISTANCE AT 20 °C	APPROX. REACTANCE AT 50HZ TREFOIL FORMATION
	mm ²	mm	mm	mm	mm	mm	kg/km	m	ohm/km	ohm/km
TA (03XPATZ1-R/LJT-HF)	1x2x0,75	0,5	N.A	N.A	1,1	7,0	48	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	2x2x0,75	0,5	N.A	N.A	1,1	10,0	88	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	4x2x0,75	0,5	N.A	N.A	1,2	13,0	148	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	7x2x0,75	0,5	N.A	N.A	1,3	15,0	216	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	10x2x0,75	0,5	N.A	N.A	1,4	16,0	284	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	19x2x0,75	0,5	N.A	N.A	1,4	20,0	480	1000	26,0	0,124
TA (03XPATZ1-R/LJT-HF)	1x2x1,5	0,6	N.A	N.A	1,5	8,0	72	1000	2,80	0,113
TA (03XPATZ1-R/LJT-HF)	2x2x1,5	0,6	N.A	N.A	1,4	13,0	134	1000	12,80	0,113
TA (03XPATZ1-R/LJT-HF)	4x2x1,5	0,6	N.A	N.A	1,5	16,0	232	1000	12,80	0,113