



(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 pairs

4.- SEPERATION TAPES: Polyester tape

5.- BRAID ARMOUR: Copper Wire braid according to IEC 60092-350

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

7.- MARKING: [] PRYSMIAN -AFUMEX MARINE CABLES -TC (03XPC4Z1-R/LJST-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
Installation Temperature Range	-15°C to 55°C
Fixed Installation operation temperature	-40°C to 55°C

3. Additional requirements

Flame retardant: IEC 60332-1
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

Blue & White core with number printed pairs

Technical Datasheet

Date: 15/11/2019

Rev No. 2

RD-MAR/19-04-10c

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
TC (03XPC4Z1-R/LJST-HF)	1x2x0,75	0,5	0,15	5,3	1,1	8,0	74	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	2x2x0,75	0,5	0,15	6,3	1,1	9,0	95	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	4x2x0,75	0,5	0,15	10,1	1,2	13,0	190	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	7x2x0,75	0,5	0,2	12,4	1,3	16,0	290	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	8x2x0,75	0,5	0,2	13,0	1,4	16,0	320	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	10x2x0,75	0,5	0,2	14,0	1,4	17,0	370	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	12x2x0,75	0,5	0,2	14,6	1,5	18,0	420	1000	26,00	0,124
TC (03XPC4Z1-R/LJST-HF)	14x2x0,75	0,5	0,2	15,0	1,5	19,0	460	1000	26,00	0,124