



(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.- **INDIVIDUAL SHIELD:** AL/PET TAPE + Drain + Synthetic tape(s)
- 5.- **COLLECTIVE SHIELD:** AL/PET tape + drain wire
- 6.- **SEPERATION TAPES:** Polyester tape
- 7.- **BRAID ARMOUR:** Copper Wire braid according to IEC 60092-350
- 8.- **OVERSHEATH:** LSZH COMPOUND SHF1 TYPE , according to IEC 60092-360, BLACK Colour

9.- **MARKING:** [] PRYSMIAN -AFUMEX MARINE CABLES -TCI (032XPC4Z1-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
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	
Fire Resistance : IEC 60331-21	

Technical Datasheet

Date: 16/12/2019
 Rev No. 3
 RD-MAR/19-04-10e

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
TCI (03XPC4Z1-R/LJST-HF) PIMF	1x2x0,75	0,5	0,15	4,9	1,1	8,0	75	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	2x2x0,75	0,5	0,15	8,8	1,1	12,0	140	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	4x2x0,75	0,5	0,15	10,5	1,2	13,0	215	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	7x2x0,75	0,5	0,2	12,9	1,3	16,0	350	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	8x2x0,75	0,5	0,2	13,6	1,4	17,0	390	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	10x2x0,75	0,5	0,2	14,6	1,4	18,0	450	1000	26,00	0,124
TCI (03XPC4Z1-R/LJST-HF) PIMF	14x2x0,75	0,5	0,2	15,7	1,5	19,0	570	1000	26,00	0,124



(dimensions and colors indicative)

1. Construction

- 1.- **CONDUCTOR:** ANNEALED STRANDED COPPER WIRES: According to IEC 60228 Class 2
- 2.- **INSULATION:** Mica/Glass tape(s) + XLPE compound, according to IEC 60092-360
- 3.- **LAY-UP** of PAIRS
- 4.- **INDIVIDUAL SHIELD:** AL/PET TAPE + Drain + Synthetic tape(s)
- 5.- **COLLECTIVE SHIELD:** AL/PET tape + drain wire
- 6.- **SEPERATION TAPES:** Polyester tape
- 7.- **BRAID ARMOUR:** Copper Wire braid according to IEC 60092-350
- 8.- **OVERSHEATH:** LSZH COMPOUND SHF1 TYPE , according to IEC 60092-360, BLACK Colour

9.- **MARKING:** [] PRYSMIAN -AFUMEX MARINE CABLES -TCIF (03J2XPC4Z1-R/LJST-FRHF) PIMFnc X sect mm2 - 250 V - IEC 60092-376 - IEC 60332-3/A IEC 60331 + 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	
Fire Resistance : IEC 60331-21	

4. Colour Code of insulation

Technical Datasheet

Date: 15/11/2019

Rev No. 2

RD-MAR/19-04-10d

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
TCIF (03J2XPATC4Z1-R/LJST-FRHF) PIMF	1x2x0,75	0,5	0,15	6,4	1,1	9,0	95	1000	26,00	0,115
TCIF (03J2XPATC4Z1-R/LJST-FRHF) PIMF	2x2x0,75	0,5	0,15	10,8	1,1	14,0	180	1000	26,00	0,115
TCIF (03J2XPATC4Z1-R/LJST-FRHF) PIMF	4x2x0,75	0,5	0,20	13,3	1,2	16,0	300	1000	26,00	0,115
TCIF (03J2XPATC4Z1-R/LJST-FRHF) PIMF	8x2x0,75	0,5	0,20	17,0	1,4	20,0	485	1000	26,00	0,115
TCIF (03J2XPATC4Z1-R/LJST-FRHF) PIMF	14x2x0,75	0,5	0,20	19,7	1,5	23,0	720	1000	26,00	0,115