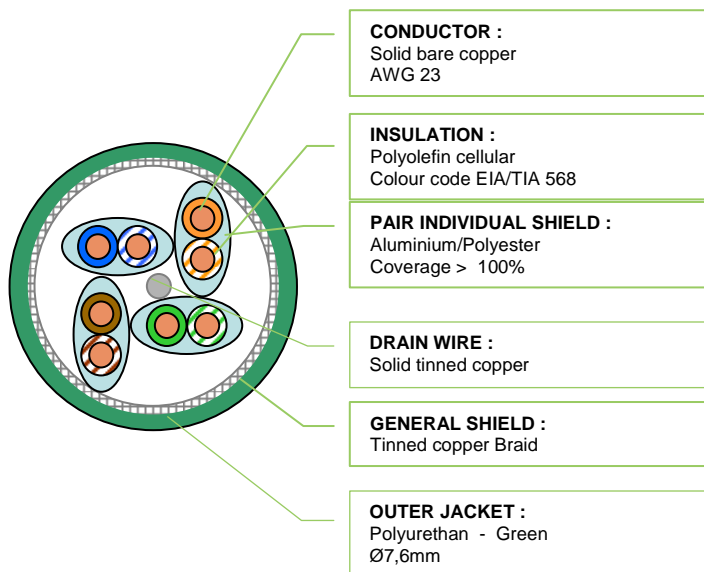


REF : AXCA26653

100 Ω PIMF S/FTP x pairs category 7 cable - 600 MHz - PUR



Application

PIMF (Pair In Metallic foil) and general shielding braid cable is used in Full Shielded structured cabling system, for horizontal or vertical (Backbone) configuration. It constitutes the base of a V.D.I. (Voice – Data – Image) network to very high bit rate.

Its performances exceed the limits imposed by the current standards thanks to its excellent high-speed and error free transmission up to 600 Mhz. It constitutes an investment for the future network applications.

The polyurethane outer sheath makes this cable compatible for industrial environment and offers good mechanical and chemical resistance.

Standards

CABLE	IEC 61156-5 Category 7
SYSTEM	ISO 11801 CLASSE E ISO 11801 CLASSE Ea ISO 11801 CLASSE F

Electrical properties @ 20°C

Electrical resistance : 73 Ω / Km
Mutual capacity (nom.) : 45 pF / m
Characteristic impedance: 100 Ω
Velocity of propagation : 78 %

Physical characteristics

Fire behaviour : IEC 60332-1
Operating temperature : - 45° C / + 65°C
Minimum bending radius: 8 x cable diameter
Conform to RoHS directive

Transmission performances @ 20°C

MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB/100m)		PS NEXT (dB/100m)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB/100m)	
	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
1	2.0	2.0	78	90	75	87	78.0	98	75.0	95	20.0	22
10	5.8	5.6	78	90	75	87	74.0	89	71.0	86	25.0	25
16	7.4	6.9	78	90	75	87	69.9	86	55.9	83	25.0	28
20	8.3	7.9	78	88	75	85	58.0	83	55.0	80	25.0	28
31.25	10.4	9.8	78	88	75	85	54.0	79	51.1	76	23.5	27
62.5	14.8	13.9	75.1	88	72.5	85	58.1	72	55.1	69	21.5	24
100	19	18.0	72.9	88	59.9	85	54.0	69	51.0	66	20.0	22
200	27.4	26.0	67.9	82	64.9	79	48.0	63	45.0	60	18.0	21
300	34.1	32.5	65.3	79	52.3	76	44.5	55	41.5	52	17.3	19
600	50	47.6	60.8	75	57.8	72	38.4	48	35.4	45	17.3	19

Standard : Values from IEC 61156 _5 / Category 7

Ordering informations

Item No	AXCA26653
Pairs	4
[X] x AWG	23
Diameter	7.6
Kg/Km	60
Packaging	T1000m