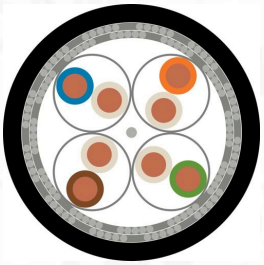


PART NO. 919000SF

Cat 7A S/FTP PE Ethernet Cable

Detailed Specifications & Technical Data

CROSS SECTION



1 Conductor
2 Insulation
3 Indv. Stranding
4 Indv. Screen
5 Screen Wire
6 Ovrl. Stranding
7 Ovrl. Screen
8 Outer Jacket

CABLE CONSTRUCTION

Conductor	: Electrolytic solid copper conductor
Insulation	: Foamed polyethylene cladded with solid polyethylene
Indv. Stranding	: Insulations are stranded into pairs
Indv. Screen	: Al/PET tape
Screen Wire	: A tinned copper earthing wire between screened pairs
Ovrl. Stranding	: In layers
Ovrl. Screen	: Tinned copper braiding
Outer Jacket	: UV resistant polyethylene outer jacket

TECHNICAL DATA

Conductor Resistance Ω/km (20 °C)	: Max. 94
Insulation Resistance MΩ/km (20 °C)	: 5000
Mutual Capacitance nF/km	: Max. 56
Resistance Unbalance	: %2
Propagation Velocity	: %78-80
Characteristic Impedance Ω (1-1200 MHz)	: 100 ±%5
Operating Voltage V DC	: 125
Test Voltage V (DC. 1 minute)	: 1200

STANDARDS

Manufacturing : ANSI/TIA-568-C.2, IEC-61156-5, IEC-11801

MECHANICAL CHARACTERISTICS

Bending Radius	: 8.0xD mm
Temperature Range Operating	: -20°C ~ +60°C

CABLE TYPE DATA

CAMCOM Part No.
919000SF

Camcom is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
2585 DB, Den Haag, Netherlands
+31708910864
sales@camcom.co.nl

Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

© Technovation Alliance Enterprise B.V.



PART NO. 919000SF

Cat 7A S/FTP PE Ethernet Cable

CAMCOM™

Detailed Specifications & Technical Data

ELECTRICAL PROPERTIES

Frequency MHz	Insertion Loss dB/100m (Max.)	Near-end Crosstalk (NEXT) dB (Min.)	Power-sum Near-end Crosstalk (PSNEXT) dB (Min.)	Equal-level Far-end Crosstalk (ELFEXT) dB/100m (Min.)	Power-sum Equal Level Far- end Crosstalk (PSELFEXT) dB/100m (Min.)	Return Loss (RL) dB (Min.)
1	NS	78.0	75.0	78.0	75.0	20.0
4	3.74	78.0	75.0	78.0	75.0	23.0
10	5.86	78.0	75.0	74.0	71.0	25.0
20	8.29	78.0	75.0	68.0	65.0	25.0
31.25	10.41	78.0	75.0	64.1	61.1	23.6
62.5	14.88	75.5	72.5	58.0	55.1	21.5
100	18.02	72.4	69.4	54.0	51.0	20.1
200	23.56	69.8	66.8	50.0	47.5	18.9
300	30.97	66.4	63.4	46.0	43.0	17.3
400	34.19	65.2	62.2	44.5	41.5	17.3
500	45.26	61.9	58.9	40.0	37.0	17.3
600	50.10	60.7	57.7	38.4	35.4	17.3
800	58.92	58.9	55.9	35.9	32.9	16.1
1000	66.93	57.4	54.4	34.0	31.0	15.1
1200	74.36	56.2	53.2	32.4	29.4	14.3

PRODUCT VIEW



Camcom is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
2585 DB, Den Haag, Netherlands
+31708910864
sales@camcom.co.nl

Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

© Technovation Alliance Enterprise B.V.