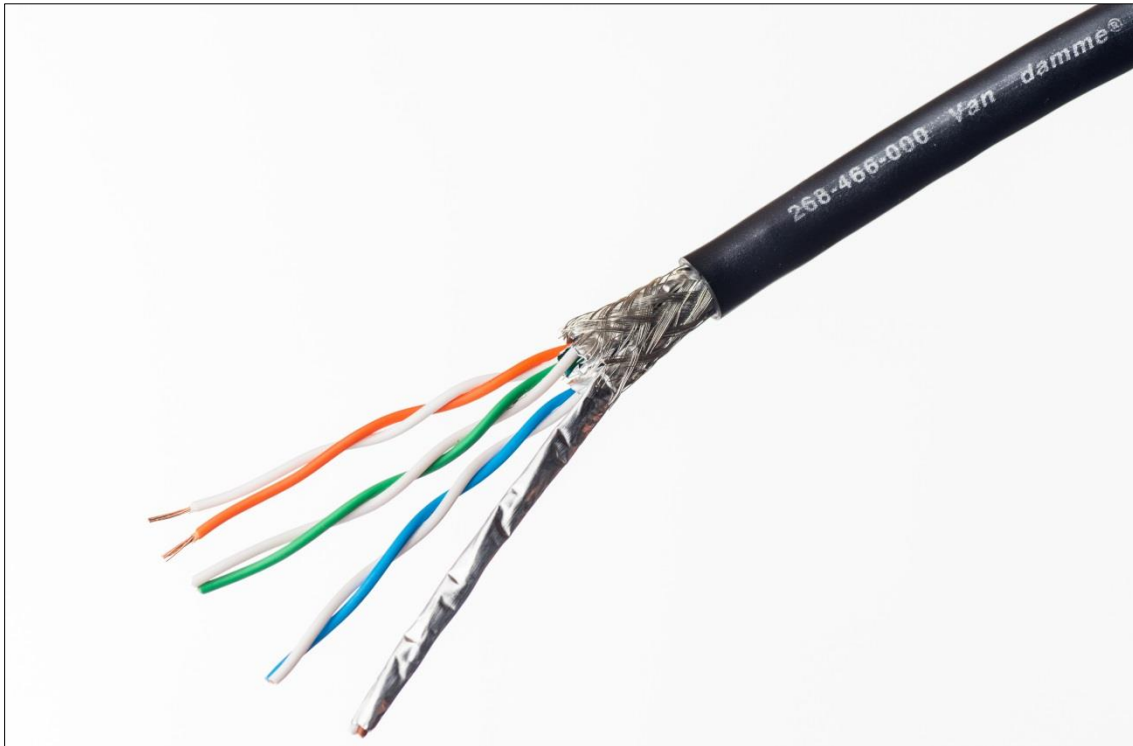


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VAN DAMME TOURCAT CAT 6A FLEXIBLE S/FTP (V2)



Now redesigned, Van Damme TourCat Cat 6_A S/FTP stranded conductor is a flexible PUR (polyurethane) jacketed 26 AWG stranded conductor cable with individually screened pairs and an overall braided screen. Suitable for 10G, Gigabit and 100 Mbit data and Ethernet based digital audio & video transmissions to the maximum length shown in the Application Notes below.

KEY BENEFITS



Flexibility



Category 6A
TIA/EIA-568-
C-2

MATERIALS



Oxygen Free
Copper



Polyurethane



Skin-Foam-
Skin
Dielectric

APPLICATIONS



Broadcast



Presentations



Live Sound

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Applications

- Patch cords and link cables for Ethernet and Ethernet based protocols
- Flexible and robust for touring and dynamic use
- Ideal for use with the Neutrik Cat 6A Ethercon

Application Notes

- Meets the requirements of Category 6A TIA/EIA-568-C-2 and ISO/IEC 11801 Class EA
- Suitable for Gigabit and 100 Mbit to a maximum recommended channel link distance of 80 metres
- Suitable for 10G Cat 6A, maximum recommended channel link distance to be confirmed

Mechanical Specification

Conductor	7 x 0.16 mm bare oxygen free copper
Conductor size	7 x 0.16 mm, 0.14 mm ² , AWG 26/7
Dielectric	Foam Skin Polyethylene
Diameter	1.00 ± 0.10 mm
Colour Code	Pair 1: White-Blue, Pair 2: White-Orange, Pair 3: White-Green, Pair 4: White-Brown
Pair Screen	Aluminium/Polyester foil > 125% coverage
Overall Screen	Tinned copper braid
Jacket material	Flexible PUR (Polyurethane) Jet Black RAL 9005
Overall diameter	6.40 ± 0.20 mm
Bend radius	8 x overall diameter
Operating temperature	-20 to +60 °C

Electrical Specification

Loop resistance		≤ 250 Ohms/km
Characteristic Impedance (Ω)	100 MHz	100 ± 5
Capacitance (core to core)		43 pF/m
Velocity of Propagation		75 %
Skew		≤ 0.10 ns/100 m

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Return Loss (dB)
4	5.00	100.00	97.00	99.00	96.00	27.00
10	8.00	100.00	97.00	99.00	96.00	28.00
16	10.00	100.00	97.00	99.00	96.00	28.00
31.25	14.00	100.00	97.00	98.00	95.00	28.00
62.50	20.00	100.00	97.00	97.00	94.00	28.00
100	26.00	100.00	97.00	97.00	94.00	28.00
250	41.00	95.00	92.00	95.00	92.00	25.00
300	47.00	92.00	89.00	94.00	91.00	23.00
600	67.00	90.00	87.00	88.00	85.00	20.00



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Part Number & Description

Part number	Description	Max. Reel length
268-466-000	Van Damme TourCat Cat 6A Flexible S/FTP	500 m

Recommended RJ45 Connectors

Van Damme Shielded Cat 6A RJ45, part no. 351-000-002

Neutrik NE8MX6-T Ethercon cable connector (nickel)

Neutrik NE8MX6-B-T Ethercon cable connector (black)

Neutrik NE8FDX-Y6 Ethercon chassis IDC connector (nickel)

Neutrik NE8FDX-B-Y6 Ethercon chassis IDC connector (black)

Connector selection criteria:

Conductor size 26AWG stranded; conductor diameter 1.00 mm; overall diameter 6.40 mm

Compliance

TIA/EIA-568-C-2

ISO/IEC 11801

EN 50288-4-2

RoHS 3 (EU 2015/863) Restriction of Hazardous Substances

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals