



THE ROUTE OF LEAST RESISTANCE

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VAN DAMME TOURLIGHT TACTICAL FIBRE CABLE



Van Damme Tourlight II heavy duty and Tourlight Low OD tactical fibre cables are designed to withstand the demands of the outside broadcast, touring and presentation markets. Tourlight II's inner polyurethane jacket over aramid yarn centre core, coated glass yarn and overall PVC jacket ensure that the inner fibres are well protected and remain within permitted migration limits. Tourlight Low OD cable has an aramid centre core with a robust polyurethane outer jacket and is optimised for patch and reel mounted applications. Approved for use by Neutrik Ag with the OpticalCon connector, and compatible with HMA and other similar expanded beam connectors, Tourlight assemblies are trusted and relied on throughout the world.

KEY BENEFITS	MATERIALS	APPLICATIONS
 Polyurethane inner jacket Water blocking and UV resistance Neutrik Ag approved	 Optical fibre Flexible PVC Polyurethane	 Lighting Presentations Live sound Broadcast

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Applications

- Neutrik OpticalCon and Expanded Beam 2 and 4 core assemblies
- Point to point and networked audio & lighting control
- 4K UHD Connectivity for live events

Application Notes

- Tested for Tensile Performance
- Approved by Neutrik Ag for use with the Neutrik Advanced OpticalCon
- Construction optimised for minimal fibre migration in tactical use
- Tourlight II overall inner and outer jacket diameters engineered to suit common tactical fibre optic connectors
- Tourlight Low OD cable ideal for patch and reel mounted applications

Tourlight II Mechanical Specification

288-004-050 Fibre type	ISO/IEC 11801 OM3
Core diameter	50 ± 2 µm
Cladding diameter	125 ± 1.0 µm
288-004-009 Fibre type	ISO/IEC 11801 OS1
Core diameter	9 ± 0.40 µm
Cladding diameter	125 ± 0.7 µm
Cladding diameter	125 ± 1.0 µm
Buffer material	Polyester elastomer
Buffer diameter	900 µm
Colour code	Blue, Yellow, Red, White
Strength elements	Aramid yarn
Inner jacket	Polyurethane
Armouring	Coated glass yarn
Overall jacket	Special PVC Composite Jet Black RAL 9005
Overall diameter	8.50 ± 0.50 mm
Minimum bend radius	10 x overall diameter
Operating temperature	-35 to +80 °C
Tensile performance	IEC 60794-1-2-E1: 2400 N
Crush resistance	IEC 60794-1-2-E3: 4000 N/100 mm
Impact	IEC 60794-1-2-E4: 15 Nm

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Tourlight Low OD Mechanical Specification

288-104-050 Fibre type	ISO/IEC 11801 OM3
Core diameter	50 ± 2.5 µm
Cladding diameter	125 ± 1.0 µm
288-104-009 Fibre type	ISO/IEC 11801 OS1
Core diameter	9.2 ± 0.40 µm
Cladding diameter	125 ± 1.0 µm
Cladding diameter	125 ± 1.0 µm
Buffer material	Polyester elastomer
Buffer diameter	900 µm
Colour code	Blue, Yellow, Red, White
Strength elements	Aramid yarn
Overall jacket	Polyurethane Jet Black RAL 9005
Overall diameter	5.80 ± 0.30 mm
Minimum bend radius	15 x overall diameter
Operating temperature	-35 to +80 °C
Tensile performance	IEC 60794-1-2-E1: 2400 N

Tourlight II Fibre Specification

288-004-050 OM3:

Attenuation @ 850 nm	≤ 2.80 dB/km
Attenuation @ 1300 nm	≤ 0.80 dB/km
Bandwidth @ 850 nm	≥ 1500 MHz/km
Bandwidth @ 1300 nm	≥ 500 MHz/km

288-004-009 OS1:

Attenuation @ 1310 nm	≤ 0.35 dB/km
Attenuation @ 1383 nm	≤ 0.35 dB/km
Attenuation @ 1550 nm	≤ 0.25 dB/km
Attenuation @ 1625 nm	≤ 0.28 dB/km



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Tourlight Low OD Fibre Specification

288-104-050 OM3:

Attenuation @ 850 nm ≤ 2.80 dB/km
Attenuation @ 1300 nm ≤ 0.80 dB/km
Bandwidth @ 850 nm ≥ 1500 MHz/km
Bandwidth @ 1300 nm ≥ 500 MHz/km

288-104-009 OS1:

Attenuation @ 1310 nm ≤ 0.35 dB/km
Attenuation @ 1550 nm ≤ 0.25 dB/km

Part Numbers and Description

Part Number	Description	Max. Reel Length
288-004-050	Van Damme Tourlight II OM3 multimode 4 core fibre	500 m
288-004-009	Van Damme Tourlight II OS1 single mode 4 core fibre	500 m
288-104-050	Van Damme Tourlight Low OD OM3 multimode 4 core fibre	500 m
288-104-009	Van Damme Tourlight Low OD OS1 single mode 4 core fibre	1000 m

Standards and Compliance

RoHS 2011/65/EU Restriction of Hazardous Substances

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals