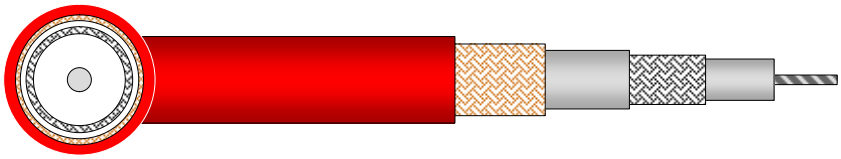
Triflex 11 PUR Part Number: 13-1081-1003

Triaxial Camera Cables



Application

Triaxial camera cables are used in professional studio applications for simultaneous transmission of energy and multiplex image signals between camera head and control system.
They are available as different types optimized for use inside studios and outdoor application.

Standards

Flame resistance

Construction

Inner conductor	stranded copper wires, silvered
Insulation	Foam-PE, natural coloured
1st outer conductor	copper braid, silvered
Insulation	thermoplastic elastomer, natural coloured
2nd outer conductor	copper braid, bare
Sheath	PVC-special, altern. PU, altern. PU-special red, RAL 3000, altern. black RAL 9005

Dimensions

		Triflex 8, Triflex 8/1	Triflex 11
Inner conductor	stranded copper wire, silvered	Ø 1.0 mm	Ø 1.4 mm
Insulation	foam-PE	Ø 4.5 mm	Ø 6.5 mm
Inner screen	copper braid, silvered	Ø 5.1 mm	Ø 7.1 mm
Insulation	thermoplastic elastomer	Ø 6.6 mm	Ø 8.6 mm
Outer screen	copper braid, bare	Ø 7.2 mm	Ø 9.2 mm
Sheath	red, RAL 3000	Ø 8.4 mm	Ø 10.9 mm
Sheath, reinforced	black, RAL 9005	Ø 8.9 mm	

> Part Number 13-1081-1000 = DAMAR & HAGEN Cable Group: D

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Sheath marking	**DRAKA** TRIFLEX 8 - Y HDTV batch no. altern. **DRAKA** TRIFLEX 8 - 11Y HDTV batch no. altern. **DRAKA** TRIFLEX 8/1 DMC-FLEX-11Y / VERSTAERKT HDTV batch no.	**DRAKA** TRIFLEX 11 - Y HDTV batch no. altern. **DRAKA** TRIFLEX 11 - 11Y HDTV batch no. altern. **DRAKA** TRIFLEX 11 DMC-FLEX-11Y HDTV batch no.

Mechanical properties

Minimum bending radius	without load	60 mm
	with load	120 mm
Operating temperature	for PVC, DMC – Flex, PU and DMC-FLEX PU	-40°C up to +70°C

Electrical properties: Triflex 8, Triflex 8/1 at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	28 Ω/km
	inner screen	12 Ω/km
	outer screen	10 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10^4 MΩ*km
	inner screen/outer screen	≥ 10^3 MΩ*km
Max. operating voltage		300 V
Screening factor	30 – 1000 MHz	≥ 75 dB

Electrical properties: Triflex 11 at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	15 Ω/km
	inner screen	10 Ω/km
	outer screen	8 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10^4 MΩ*km
	inner screen/outer screen	≥ 10^3 MΩ*km
Max. operating voltage		400 V
Screening factor		≥ 75 dB

Electrical data: Triflex 8, Triflex 8/1 at 20°C

Attenuation (dB/100m)		**Return loss (dB)**	
Frequency (MHz)		**Frequency (MHz)**	
1	0.7	1 – 100	> 26
10	2.6	100 – 300	> 23
20	3.6		
40	5.2		

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50	5.8		
60	6.4		
100	8.4		
300	15.1		

Electrical data: Triflex 11

at 20°C

Attenuation (dB/100m)		**Return loss (dB)**	
Frequency (MHz)		**Frequency (MHz)**	
1	0.5	1 – 100	> 26
10	1.8	100 – 300	> 23
20	2.7		
40	3.9		
50	4.5		
60	4.9		
100	6.5		
300	11.6		

Technical data

Product code	Type	Weight kg/km	Copper content	Standard delivery length KTG/ring	Drum size	Bending radius mm	Tensile force N	Storage
1002244 CT2767300	Triflex 8 Special PVC	90	55	1000	081	60	260	inside
1002255 CT2767900	Triflex 8 PU	88	55	1000	081	60	260	inside
1002256 CT2767901	Triflex 8/1 DMC-Flex PU	100	55	1000	081	65	260	inside
1002249 CT2767400	Triflex 11 Special PVC	140	79	1000	091	80	350	inside
1002259 CT2768100	Triflex 11 PU	135	79	1000	091	80	350	inside
1002260 CT2768101	Triflex 11 DMC-Flex PU	135	79	1000	091	80	350	inside

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
TRIFLEX 8 1.0 LS/4.5 S PUR ROT		60010078	**60010078**
TRIFLEX 11 1.4 LS/6.6 S PUR		60010245	**60010245**
TRIFLEX 8 1.0 LS/4.5 S		60011498	**60011498**
TRIFLEX 11 1.4 LS/6.6 S		60011503	**60011503**
TRIFLEX 8 1.0 LS/4.5 S 1000DW	1002244-01000DW	60011498	**60014250**
TRIFLEX 8 1.0LS/4.5S schwarz		60014252	**60014252**
TRIFLEX 11 1.4 LS/6.6 S 1000DW	1002249-01000DW	60011503	**60014257**
TRIFLEX 11 PVC black		60014258	**60014258**
TRIFLEX 8 1.0 LS/4.5 S PUR ROT 1000DW	1002255-01000DW	60010078	**60014267**
TRIFLEX 8/1 1.0LS/4.5S DMC-Flex PU BK		60014269	**60014269**
TRIFLEX 8/1 1.0LS/4.5S PU BK 1000DW	1002256-01000DW	60014269	**60014270**
TRIFLEX 8 1.0 LS/4.5 S PUR BK		60014272	**60014272**
TRIFLEX 11 1.4 LS/6.6 S PUR 1000DW	1002259-01000DW	60010245	**60014276**
TRIFLEX 11 1.4 LS/6.6 S PUR schwarz		--	**60025473**

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