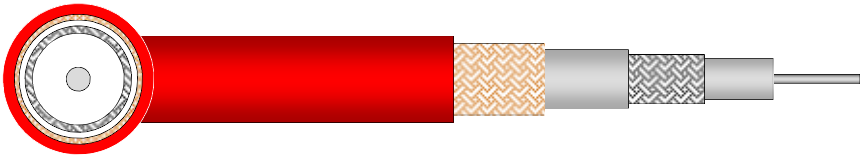
Triax 8 PUR Part Number: 13-1017-1003

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 for SDI and HD-SD.
They are available as different types optimized for use inside studios and outdoor application.

Standards

Flame resistance

Construction

Inner conductor	solid copper wire, silvered or stranded copper wires, silvered
Insulation	Foam-PE
1st outer conductor	copper braid, thick silvered
Insulation	PE
2nd outer conductor	copper braid, bare
Sheath	PVC, PU (standard or reinforced type) or FRNC red, RAL 3000 altern. black or grey

Dimensions

	Triax 8	Triax 11, Triax 11/1	Triax 14
Inner conductorcopper wire, silvered	Ø 1.0 mm	Ø 1.4 mm	–
stranded copper wires, silvered	–	–	Ø 2.2 mm
Insulation foam-PE	Ø 4.5 mm	Ø 6.5 mm	Ø 9.7 mm
Inner screen copper braid, silvered	Ø 5.1 mm	Ø 7.1 mm	Ø 10.5 mm
Insulation PE	Ø 6.6 mm	Ø 8.6 mm	Ø 11.9 mm
Outer screen copper braid, bare	Ø 7.2 mm	Ø 9.2 mm	Ø 12.7 mm
Sheath red, RAL 3000	Ø 8.4 mm	Ø 10.9 mm	Ø 14.5 mm
reinforced, sign/1	Ø 8.9 mm	Ø 12.2 mm	–
Sheath marking (example: PVC sheath)	"**DRAKA** TRIAX 8 - Y HDTV" + batch no.	"**DRAKA** TRIAX 11 - Y HDTV" + batch no.	"**DRAKA** TRIAX 14 - Y HDTV" + batch no.

> Part Number 13-1017-1003 = DAMAR & HAGEN Cable Group: A

Triax Cables

Electrical properties: Triax 8

at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	25 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: Triax 11, Triax 11/1

at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	13 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 properties: Triax 14

at 20°C

Characteristic impedance		75 Ω ± 3 %
Mutual capacitance	800 Hz	54 pF/m
DC resistance	inner conductor	6 Ω/km
	inner screen	6 Ω/km
	outer screen	4 Ω/km
Insulation resistance	inner conductor/inner screen	≥ 10^4 MΩ*km
	inner screen/outer screen	≥ 10^3 MΩ*km
Max. operating voltage		600 V
Screening factor		≥ 75 dB

Triax Cables

Electrical data: Triax 8

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		**Frequency (MHz)**	
1	0.6	1 – 100	> 26
10	2.2	100 – 300	> 23
20	3.2		
40	4.6		
50	5.1		
60	5.6		
100	7.5		
300	13.8		

Electrical data: Triax 11, Triax 11/1

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		**Frequency (MHz)**	
1	0.5	1 – 100	> 26
10	1.6	100 – 300	> 23
20	2.3		
40	3.3		
50	3.7		
60	4.1		
100	5.4		
300	10.3		

Electrical data: Triax 14

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		**Frequency (MHz)**	
1	0.4	1 – 100	> 26
10	1.1	100 – 300	> 23
20	1.6		
40	2.3		
50	2.6		
60	2.8		
100	3.8		
300	7.7		

Triax Cables

Technical data

Product code	Type	Weight kg/km	Copper content m	Standard delivery length KTG/ring	Drum size	Bending radius N	Tensile force mm	Storage
1002223 CT2765700	Triax 8 PVC red	92	55	1000	081	85	220	inside
1017271 CT2765702	Triax 8 PVC black	92	55	1000	081	85	220	Innen
1002221 CT2765500	Triax 8 PU	87	55	1000	081	85	220	inside
1002266 CT2853201	Triax 8 FRNC	95	55	1000	081	85	220	inside
1002268 CT2853203	riax 8 FRNC reinforced	105	55	1000	081	90	220	inside
1002226 CT2766400	Triax 11 PVC	142	79	1000	091	110	300	inside
1002229 CT2766404	Triax 11 PE black	125	79	1000	091	110	300	outside
1002233 CT2766600	Triax 11 PU red	133	79	1000	091	110	300	inside
1002234 CT2766601	Triax 11 PU black	133	79	1000	091	110	300	inside
1002243 CT2767101	riax 11/1 PU reinforced	158	79	1000	091	120	300	inside
1002264 CT2850801	Triax 11 FRNC	142	79	1000	091	110	300	inside
1002236 CT2766700	Triax 14 PVC	250	152	1000	101	145	550	inside
1002239 CT2766704	Triax 14 PE	240	152	1000	101	145	550	outside
1002273 CT7666700	Triax 14 FRNC	240	152	1000	101	145	550	inside
1002240 CT2767000	Triax 14 PU	231	152	1000	101	145	550	inside

[PRODUCT CODE TABLE]

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