COAXTHERM®

HIGH TEMPERATURE COAXIAL CABLES

-90°C TO +260°C

HIGH TEMPERATURES
LOW SIGNAL ATTENUATION
ELECTROMAGNETIC PROTECTION
COMPACT SIZE
REDUCED LINEAR WEIGHT

COAXTHERM®
Data transmission in extreme conditions

3 impedances available: ***50/75/95*** *Ω*
28 models of RG (MIL-DTL-17)
and KX coaxial cables (NF C 93-550)

CGP
CABLES FOR GLOBAL PERFORMANCE

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HIGH TEMPERATURE COAXIAL CABLES

-90°C TO +260°C

PRODUCT DESCRIPTION

Central conductor	Silver-plated copper clad-steel core CCSAg Silver-plated copper core CuAg Plain copper core CuA1
Dielectric	Fluoropolymer
External conductor	Braid in silver-plated copper CuAg or plain copper CuA1
Outer sheath	Fluoropolymer FEP/PFA/PTFE + FG (fibreglass)/Silicone

ELECTROMAGNETIC PROTECTION

Excellent electromagnetic protection
Electromagnetic protection (1 to 2 braids depending on the model)

MECHANICAL CHARACTERISTICS

Excellent abrasion resistance

CHEMICAL CHARACTERISTICS

Excellent oil, hydrocarbon, chemical and biological agent resistance

COAXTHERM® cables are coaxial cables designed to withstand high temperatures (-90°C to +260°C). Developed in our laboratory by our engineers, **COAXTHERM®** cables ensure optimum signal transmission in extreme use conditions.

These outstanding advantages - **extreme temperature resistance, excellent electromagnetic protection, compact size, reduced linear weight, excellent abrasion resistance and excellent chemical resistance**- mean that the **COAXTHERM®** range is a high-performance solution used for highly technical applications in the defence and aerospace industries.

STANDARDS

RG according to MIL-DTL-17
KX according to NF C 93-550

✓ **Contact us to define with our sales engineers the product best suited to your application.**

TECHNICAL CHARACTERISTICS

Reference	Impedance (Ω)	Min. temperature (°C)	Max. temperature (°C)	Standard MIL-DTL-17	Standard NF C 93-550	Central conductor	Nominal diameter of the conductor (mm)	Nominal diameter of the dieletric (mm)	External conductor	Sheath	Nominal diameter of the cable (mm)
W5BA5 - 50	50	-90	+260	-	-	CCSAg	0.17	0.52	CuAg	PFA	1.30
RG 178 BU	50	-55	+200	M17/93-RG178	-	CCSAg	0.30	0.84	CuAg	FEP	1.80
RG 178 BU / PFA	50	-55	+230	M17/93-00001	-	CCSAg	0.30	0.84	CuAg	PFA	1.80
KX 21A	50	-55	+200	-	KX21A	CCSAg	0.30	0.87	CuAg	FEP	1.80
KX 22A	50	-55	+200	-	KX22A	CCSAg	0.51	1.50	CuAg	FEP	2.50
RG 316 U	50	-55	+200	M17/113-RG316	-	CCSAg	0.51	1.52	CuAg	FEP	2.49
RG 316 U / PFA	50	-55	+200	M17/138-00001	-	CCSAg	0.51	1.52	CuAg	PFA	2.49
RG 303 U	50	-55	+200	M17/111-RG303	-	CCSAg	0.94	2.95	CuAg	FEP	4.32
RG 142 BU	50	-55	+200	M17/60-RG142	-	CCSAg	0.94	2.95	CuAg	FEP	4.95
RG 400 U	50	-55	+200	M17/128-RG400	-	CuAg	0.98	2.95	CuAg	FEP	4.95
KX 23	50	-55	+200	-	KX23	CuAg	1.02	2.95	CuAg	PTFE + FG	5.10
RG 304 U	50	-55	+200	M17/112-RG304	-	CCSAg	1.50	4.70	CuAg	FEP	7.10
RG 115 U	50	-55	+200	M17/92-RG115	-	CuAg	2.13	6.48	CuAg	PTFE + FG	10.50
RG 165 U	50	-55	+250	M17/065-RG165	-	CuAg	2.39	7.24	CuAg	PTFE + FG	10.40
RG 393 U	50	-55	+200	M17/127-RG393	-	CuAg	2.39	7.24	CuAg	FEP	9.90
RG 225 U	50	-55	+200	M17/86-00001	-	CuAg	2.39	7.24	CuAg	PTFE + FG	10.90
KX 24	50	-55	+200	-	KX24	CuAg	2.39	7.25	CuAg	PTFE + FG	10.80
W5BA5 - 75	75	-90	+260	-	-	CCSAg	0.10	0.57	CuAg	PFA	1.40
RG 179 BU	75	-55	+200	M17/94-RG179	-	CCSAg	0.30	1.60	CuAg	FEP	2.54
RG 179 BU / PFA	75	-55	+230	M17/136-00001	-	CCSAg	0.30	1.60	CuAg	PFA	2.54
RG 59 MIN. HT 200C	75	-90	+200	-	-	CuA1	0.30	1.70	CuAg	PFA	2.70
KX 25	75	-55	+200	-	KX25	CCSAg	0.71	3.70	CuAg	PTFE + FG	5.90
KX 6A HT 180C	75	-60	+180	-	-	CuA1	0.60	3.70	CuA1	Silicone	6.10
RG 302 U	75	-55	+200	M17/110-RG302	-	CCSAg	0.64	3.71	CuAg	FEP	5.13
RG 144 U	75	-55	+200	M17/62-RG144	-	CCSAg	1.33	7.24	CuAg	PTFE + FG	10.40
KX 8 HT 180C	75	-60	+180	-	-	CuA1	1.20	7.25	CuA1	Silicone	10.30
RG 180 BU	95	-55	+200	M17/95-RG180	-	CCSAg	0.30	2.59	CuAg	FEP	3.58
RG 180 BU / PFA	95	-55	+230	M17/137-00001	-	CCSAg	0.30	2.59	CuAg	PFA	3.58

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