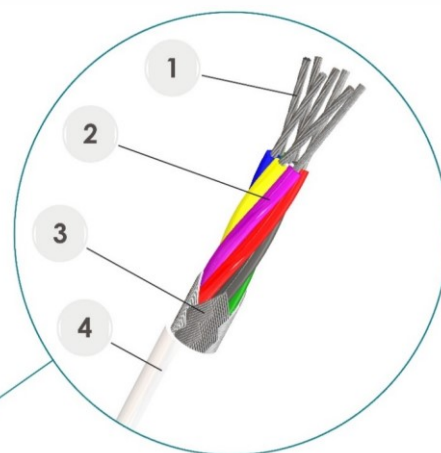


CABLES - TAU - SPACE & HYDROGEN (-253°C)

CABLES TAU BLINDES MINIATURE (AWG26 - AWG36)
APPLICATIONS SPATIALES & CRYOGENIQUES (-253°C EN STATIQUE)
CONDUCTEURS ET TRESSE EN CUIVRE ARGENTÉ
ISOLATION ET GAINÉ EN FLUOROPOLYMER (PFA)

MINIATURE TAU SHIELDED CABLES (AWG26 - AWG36)
SPACE & CRYOGENIC APPLICATIONS (-253°C IN STATIC)
SILVER PLATED CONDUCTORS & BRAID
FLUOROPOLYMER (PFA) INSULATION & SHEATH



COMPOSITION / COMPOSITION

- 1 - Toron de cuivre recuit argenté / Silvered copper stranded conductor
- 2 - Isolant en PFA (Couleurs selon commande) / PFA insulation (colors on request)
 - 2 x Cds : Blanc, Rouge / White, Red
 - 3 x Cds : Blanc, Noir, Rouge / White, Black, Red
 - 3 x Paires : Blanc+Rouge, Noir+Vert, Bleu+Jaune / White+Red, Black+Green, Blue+Yellow**
 - 4 x Cds : Blanc, Rouge, Noir, Vert / White, Red, Black, Green
 - 4 x Paires : Bc+R, N+V, Bleu+Jaune, Violet+Gris / W+R, Bk+Gn, Blue+Yellow, Purple+Grey**
 - 5 x Cds : Blanc, Rouge, Noir, Vert, Jaune / White, Red, Black, Green, Yellow
 - 5 x Paires : Bc+R, N+V, B+J, Vi+G, Marron+Orange / W+R, Bk+Gn, B+Y, Pu+G, Brown+Orange**
 - 6 x Cds : Blanc, Rouge, Noir, Vert, Bleu, Jaune / White, Red, Black, Green, Blue, Yellow
 - 6 x Paires : Bc+R, N+V, B+J, Vi+G, M+O, Rose+Naturel / W+R, Bk+Gn, B+Y, Pu+G, Br+O, Pink+Natural**
 - 7 x Cds : Blanc, Rouge, Noir, Vert, Bleu, Jaune, Violet / White, Red, Black, Green, Blue, Yellow, Purple
 - 8 x Cds : Blanc, Rouge, Noir, Vert, Bleu, Jaune, Violet, Gris / White, Red, Black, Green, Blue, Yellow, Purple, Grey
 - 10 x Cds : Bc, R, N, V, B, J, Violet, Gris, Marron, Orange / W, R, Bk, Gn, B, Y, Purple, Grey, Brown, Orange
 - 12 x Cds : Bc, R, N, V, B, J, V, G, Marron, Orange, Rose, Naturel / W, R, Bk, Gn, B, Y, P, Gy, Brown, Orange, Pink, Natural
- 3 - Blindage tresse en cuivre argenté / Silvered copper braid shielding
 Ø des brins et surface couverte / Wire diameter & Percent coverage : AWG 44 (0,05 mm) & ≥ 85 %
- 4 - Gaine PFA (Cod. W = Blanc, Bk = Noir) / PFA sheath (Cod. W = White, Bk = Black)

DIMENSIONS / DIMENSIONS

Désignation Designation	Nbre de Cond. Qty of Cds	Jauge (AWG) Gauge (AWG)	Construction des Conducteurs Conductors construction	Résistance (Ω/m) Resistance (Ω/m)	Ø Isolant (mm/inch) Insulation Ø (mm/inch)	Ø Extérieur (mm/inch) Outer Ø (mm/inch)	Poids câble (kg/km) Cable weight (kg/km)
TAU-3607.01-SPACE-*	1	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	0,72/0,028 ±7%	≈ 1,12
TAU-3607.02-SPACE-*	2	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,03/0,041 ±7%	≈ 2,04
TAU-3607.03-SPACE-*	3	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,08/0,043 ±7%	≈ 2,40
TAU-3607.04-SPACE-*	4	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,16/0,046 ±7%	≈ 2,83
TAU-3607.05-SPACE-*	5	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,26/0,05 ±7%	≈ 3,32
TAU-3607.06-SPACE-*	6	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,36/0,054 ±7%	≈ 3,81



CABLES - TAU - SPACE & HYDROGEN (-253°C)

DIMENSIONS / DIMENSIONS

Désignation Designation	Nbre de Cond. Qty of Cds	Jauge (AWG) Gauge (AWG)	Construction des Conducteurs Conductors construction	Résistance (Ω/m) Resistance (Ω/m)	Ø Isolant (mm/inch) Insulation Ø (mm/inch)	Ø Extérieur (mm/inch) Outer Ø (mm/inch)	Poids câble (kg/km) Cable weight (kg/km)
TAU-3607.07-SPACE-*	7	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,36/0,054 ±7%	≈ 4,05
TAU-3607.08-SPACE-*	8	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,46/0,057 ±7%	≈ 4,52
TAU-3607.10-SPACE-*	10	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,68/0,066 ±7%	≈ 5,58
TAU-3607.12-SPACE-*	12	36	7x44 AWG	≤ 1,30	0,3/0,012 ±7%	1,73/0,068 ±7%	≈ 6,18
TAU-3407.01-SPACE-*	1	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	0,8/0,031 ±7%	≈ 1,43
TAU-3407.02-SPACE-*	2	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	1,18/0,046 ±7%	≈ 2,66
TAU-3407.03-SPACE-*	3	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	1,24/0,049 ±7%	≈ 3,17
TAU-3407.04-SPACE-*	4	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	1,35/0,053 ±7%	≈ 3,83
TAU-3407.05-SPACE-*	5	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	1,46/0,057 ±7%	≈ 4,46
TAU-3407.06-SPACE-*	6	34	7x42 AWG	≤ 0,80	0,37/0,015 ±7%	1,57/0,062 ±7%	≈ 5,09
TAU-3219.01-SPACE-*	1	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	0,91/0,036 ±7%	≈ 1,94
TAU-3219.02-SPACE-*	2	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,43/0,056 ±7%	≈ 3,79
TAU-3219.03-SPACE-*	3	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,52/0,06 ±7%	≈ 4,67
TAU-3219.04-SPACE-*	4	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,64/0,065 ±7%	≈ 5,60
TAU-3219.05-SPACE-*	5	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,79/0,07 ±7%	≈ 6,59
TAU-3219.06-SPACE-*	6	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,93/0,076 ±7%	≈ 7,57
TAU-3219.3x2-SPACE-*	6	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,17/0,085 ±7%	≈ 8,21
TAU-3219.07-SPACE-*	7	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	1,93/0,076 ±7%	≈ 8,22
TAU-3219.08-SPACE-*	8	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,11/0,083 ±7%	≈ 9,37
TAU-3219.4x2-SPACE-*	8	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,37/0,093 ±7%	≈ 9,99
TAU-3219.10-SPACE-*	10	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,11/0,083 ±7%	≈ 9,37
TAU-3219.5x2-SPACE-*	10	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,61/0,103 ±7%	≈ 11,86
TAU-3219.12-SPACE-*	12	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,52/0,099 ±7%	≈ 12,94
TAU-3219.6x2-SPACE-*	12	32	19x44 AWG	≤ 0,48	0,49/0,019 ±7%	2,83/0,111 ±7%	≈ 13,68
TAU-3019.01-SPACE-*	1	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	1,05/0,041 ±7%	≈ 2,59
TAU-3019.02-SPACE-*	2	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	1,6/0,063 ±7%	≈ 4,84
TAU-3019.03-SPACE-*	3	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	1,69/0,067 ±7%	≈ 5,96
TAU-3019.04-SPACE-*	4	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	1,83/0,072 ±7%	≈ 7,21
TAU-3019.05-SPACE-*	5	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	1,99/0,078 ±7%	≈ 8,50
TAU-3019.06-SPACE-*	6	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,17/0,085 ±7%	≈ 9,94
TAU-3019.3x2-SPACE-*	6	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,41/0,095 ±7%	≈ 10,54
TAU-3019.07-SPACE-*	7	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,17/0,085 ±7%	≈ 10,84
TAU-3019.08-SPACE-*	8	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,35/0,093 ±7%	≈ 12,20
TAU-3019.4x2-SPACE-*	8	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,64/0,104 ±7%	≈ 12,92
TAU-3019.10-SPACE-*	10	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,75/0,108 ±7%	≈ 15,21
TAU-3019.5x2-SPACE-*	10	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,94/0,116 ±7%	≈ 15,70
TAU-3019.12-SPACE-*	12	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	2,84/0,112 ±7%	≈ 17,25
TAU-3019.6x2-SPACE-*	12	30	19x42 AWG	≤ 0,36	0,55/0,022 ±7%	3,19/0,126 ±7%	≈ 18,16



CABLES - TAU - SPACE & HYDROGEN (-253°C)

DIMENSIONS / DIMENSIONS

Désignation Designation	Nbre de Cond. Qty of Cds	Jauge (AWG) Gauge (AWG)	Construction des Conducteurs Conductors construction	Résistance (Ω/m) Resistance (Ω/m)	Ø Isolant (mm/inch) Insulation Ø (mm/inch)	Ø Extérieur (mm/inch) Outer Ø (mm/inch)	Poids câble (kg/km) Cable weight (kg/km)
TAU-2819.01-SPACE-*	1	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	1,15/0,045 ±7%	≈ 3,27
TAU-2819.02-SPACE-*	2	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	1,8/0,071 ±7%	≈ 6,20
TAU-2819.03-SPACE-*	3	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	1,9/0,075 ±7%	≈ 7,79
TAU-2819.04-SPACE-*	4	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,07/0,081 ±7%	≈ 9,55
TAU-2819.05-SPACE-*	5	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,26/0,089 ±7%	≈ 11,36
TAU-2819.06-SPACE-*	6	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,47/0,097 ±7%	≈ 13,33
TAU-2819.3x2-SPACE-*	6	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,76/0,109 ±7%	≈ 14,06
TAU-2819.07-SPACE-*	7	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,47/0,097 ±7%	≈ 14,68
TAU-2819.08-SPACE-*	8	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	2,68/0,106 ±7%	≈ 16,55
TAU-2819.4x2-SPACE-*	8	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	3,03/0,119 ±7%	≈ 17,43
TAU-2819.10-SPACE-*	10	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	3,15/0,124 ±7%	≈ 20,65
TAU-2819.5x2-SPACE-*	10	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	3,38/0,133 ±7%	≈ 21,25
TAU-2819.12-SPACE-*	12	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	3,25/0,128 ±7%	≈ 23,61
TAU-2819.6x2-SPACE-*	12	28	19x40 AWG	≤ 0,20	0,65/0,026 ±7%	3,67/0,144 ±7%	≈ 24,70
TAU-2619.01-SPACE-*	1	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	1,26/0,05 ±7%	≈ 4,16
TAU-2619.02-SPACE-*	2	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,02/0,08 ±7%	≈ 7,98
TAU-2619.03-SPACE-*	3	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,14/0,084 ±7%	≈ 10,24
TAU-2619.04-SPACE-*	4	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,33/0,092 ±7%	≈ 12,67
TAU-2619.05-SPACE-*	5	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,56/0,101 ±7%	≈ 15,20
TAU-2619.06-SPACE-*	6	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,8/0,11 ±7%	≈ 17,89
TAU-2619.3x2-SPACE-*	6	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,13/0,123 ±7%	≈ 18,71
TAU-2619.07-SPACE-*	7	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	2,8/0,11 ±7%	≈ 19,85
TAU-2619.08-SPACE-*	8	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,05/0,12 ±7%	≈ 22,44
TAU-2619.4x2-SPACE-*	8	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,45/0,136 ±7%	≈ 23,45
TAU-2619.10-SPACE-*	10	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,59/0,141 ±7%	≈ 28,01
TAU-2619.5x2-SPACE-*	10	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,86/0,152 ±7%	≈ 28,71
TAU-2619.12-SPACE-*	12	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	3,71/0,146 ±7%	≈ 32,26
TAU-2619.6x2-SPACE-*	12	26	19x38 AWG	≤ 0,13	0,76/0,03 ±7%	4,2/0,165 ±7%	≈ 33,53

* : Code couleur / Color code





CABLES - TAU - SPACE & HYDROGEN (-253°C)

CARACTERISTIQUES / CHARACTERISTICS

Tension de service :	600 V
Résistance d'isolement / <i>Insulation resistance</i> :	$\geq 1000 \text{ M}\Omega \cdot \text{km}$ (à/at 20°C)
Rigidité diélectrique cd./extérieur / <i>Dielectric strength</i> :	1500 V (CC/DC 1min)
Rigidité diélec. après irradiation (1MRad) / <i>Dielectric strength after irradiation (1MRad)</i> :	< 1 mA at 1500V (HRX/PRO/08633_01)
Non propagation de la flamme / <i>Flame retardancy</i> :	NF C 32-070 C2 (IEC 60332-1)
Non propagation de l'incendie / <i>Fire retardancy</i> :	NF C 32-070 C1 (IEC 60332-3)
Dégazage (RML) / <i>Outgassing (RML: Recovered Mass Loss)</i> :	< 1% (0,01%) (ECSS-Q-ST-70-02C)
Dégazage (CVCM) / <i>Outgassing (CVCM: Collected Volatile Condensable Material)</i> :	< 0,1% (0,003%) (ECSS-Q-ST-70-02C)
Température de service / <i>Service temperature</i> :	-196 +200 °C (+77 +473 °K)
Température cryogénique de service (statique) / <i>Cryogenic service temp. (static)</i> :	-253°C (+20 °K) Liquid HYDROGEN
Environnement / <i>Environmental</i> :	ROHS + REACH
Conditionnement selon commande / <i>Packaging according to the order</i>	



NF C 32-070 C1



-196 +200°C



-253°C (STATIC)



WATER RESISTANT



OIL RESISTANT



UV RESISTANT



FLEXIBLE



RoHS

REACH
COMPLIANT