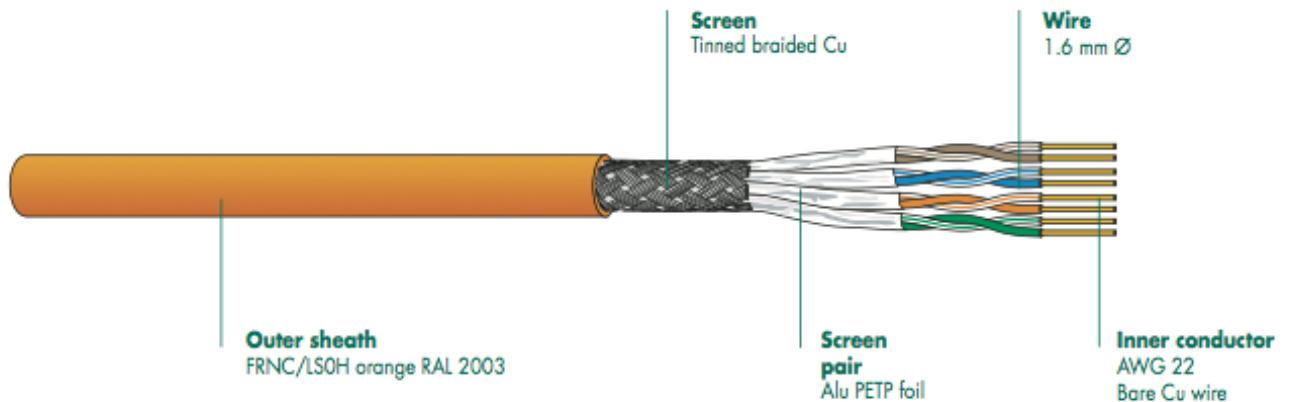




Providing Solutions....

Titan Wire & Cable Spec Sheet

Type: Uninet® 7150 4P Multimedia
Data Cable S/FTP Cat.7A 22 Awg



Features

Electrically and mechanically high-quality Cat.7A data cable - satisfying the highest demands. Excellent screen effect due to individual foil screened pairs and overall copper braid. Easy identification of wires thanks to longitudinal color markings. Compatible with all current connecting hardware to EN 50173-1 and ISO/IEC 11801:2002. Guaranteed limit values according to Cat.7A: ISO/IEC 11801, EN 50173-1, EN 50288-4-1, IEC 61156-5 Cat.7A Draft 46C / 844 / CDV and ISO/IEC 61156-7

Applications

Data cable for structured premises cabling. For transmission of digital and analogue voice, video and data signals. Especially suitable for all class FA applications and multimedia applications according ISO/IEC 15018 Optimized for the transmission of Broadband signals (such as TV). ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000 Base-T, 10G Base-T, Token Ring 4/16 Mbit/s, TP-PMD/TP-DDI 125 Mbit/s, ATM 155 Mbit/s. There is a possibility of transmitting two different communication services (e.g. EDP + telephony, Ethernet + Token Ring) simultaneously over one cable. (Cable sharing)

Titan Wire & Cable – Toll Free: 1-888-356-1662 – Local: 775-356-6600 – Fax: 775-356-6603
www.titanwireandcable.com

*TWC specifications are not manufacturer specific & therefore generic in nature. Construction variations exist & you are encouraged to contact your sales representative with exacting requirements.

Versions

Dimensions	Type	Sheath	Sheath Ø	Weight Lbs/M	Cu Weight	Fire Load		PU
n x n x mm (AWG)			mm	Kg/km	Kg/km	k/Wh	mJ/m	
4 x 2 x 0,64 (22 AWG)	HF-4390-U	FRNC/LSOH*	7,8	69,2	40,2	0,18	0,65	1000m Drum
2 x (4 x 2 x 0,64 (22AWG))	HF4391-U	FRNC/LSOH*	7,8 x 16,4	139,2	80,4	0,36	1,30	500m Drum

* FRNC/LSOH= Flame Retardant Non Corrosive/Low Smoke Zero Halogen

Electrical Characteristics

Loop resistance

at 20°C: 111 Ω /km

Mutual capacitance 41 pF/m

Impedance at 100MHz: 100 $\Omega \pm 5 \Omega$

Transfer impedance

at 1/10/30 MHz: < 5/5/8 m Ω /m

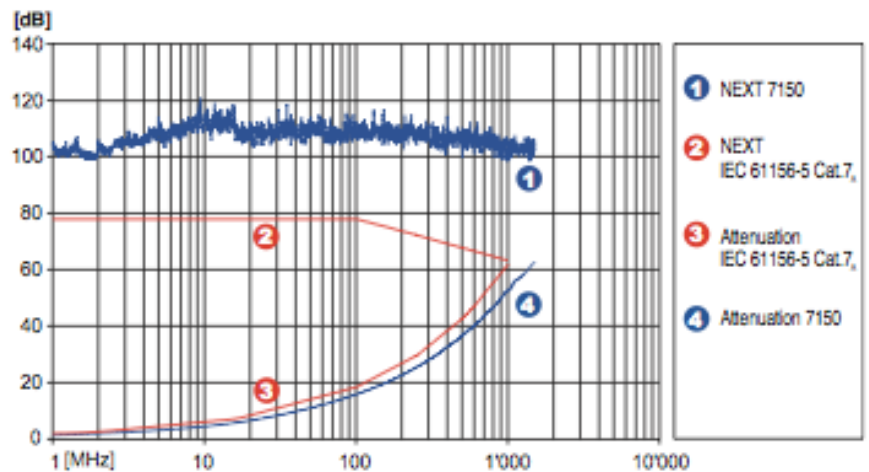
Coupling attenuation

30-1500 MHz: 80 dB

Near end unbalance att. LCL: > 40 dB

Delay skew: 17 ns/100m

NVP: 80 %



Category				5e	6	6A	7	catTV	7A		
Frequency [MHz]	1	4	10	100	250	500	600	862	1000	1200	1500
Attenuation [dB/100m]	1,7	3,2	4,9	16,2	26	38	40	49	54	58	68
NEXT [dB]	103	103	103	103	103	98	96	92	90	85	80
PS NEXT [dB]	100	100	100	100	100	95	93	89	87	82	77
ACR [dB]	101	100	98	87	77	60	56	43	36	27	12
PS ACR [dB]	98	97	95	84	74	57	53	40	33	24	9
ELFEXT [dB]	100	100	100	85	78	63	60	48	40	35	30
PS ELFEXT [dB]	97	97	97	82	75	60	57	45	37	32	27
Return loss [dB]	26	30	33	33	28	26	25	24	23	23	20

These performance data are typical measured values

Titan Wire & Cable – Toll Free: 1-888-356-1662 – Local: 775-356-6600 – Fax: 775-356-6603

www.titanwireandcable.com

*TWC specifications are not manufacturer specific & therefore generic in nature. Construction variations exist & you are encouraged to contact your sales representative with exacting requirements.

Mechanical

Bending Radius (Flat Side)	- during draw-in $\geq 64\text{mm}$ - permanently installed $\geq 32\text{mm}$
Tensile Strength	$\leq 130\text{ N}$
Crush Resistance	$\geq 1000\text{ N}/10\text{ cm}$
Impact Resistance	$\geq 10\text{ Impacts}$
Temperature Range	-during installation 0 C° to $+50\text{ C}^\circ$ -in operation -20 C° to $+60\text{ C}^\circ$

Environmental

Halogen Content	According to IEC 60754-2
Smoke Density	According to IEC 61034
Burning Behaviour	According to IEC 60332-1 and IEC 60332-3-24
Wire Color Code	White-Blue/Blue White-Orange/Orange White-Green/Green White-Brown/Brown (With Longitudinal Stripes) According to IEC 189 and IEC 708

**General
Characteristic**

Imprint	DAETWYLER UNINET 7150 4P MULTIMEDIA AWG 22 FRNC/LSOH (+batch code+meter marks)
Zero halogen non corrosive gases	IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Fire resistant (no flame propagation)	IEC 60332-3-24, EN 50266-2-4 Cat. C, VDE 0482-266-2-4 Cat. C
Minimum smoke emission	IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268)-1/-2)
EMC Cat./Class	Screened Cat.7A ,Class FA

Titan Wire & Cable – Toll Free: 1-888-356-1662 – Local: 775-356-6600 – Fax: 775-356-6603
www.titanwireandcable.com

*TWC specifications are not manufacturer specific & therefore generic in nature. Construction variations exist & you are encouraged to contact your sales representative with exacting requirements.