

Triaxial Cable for broadcasting camera

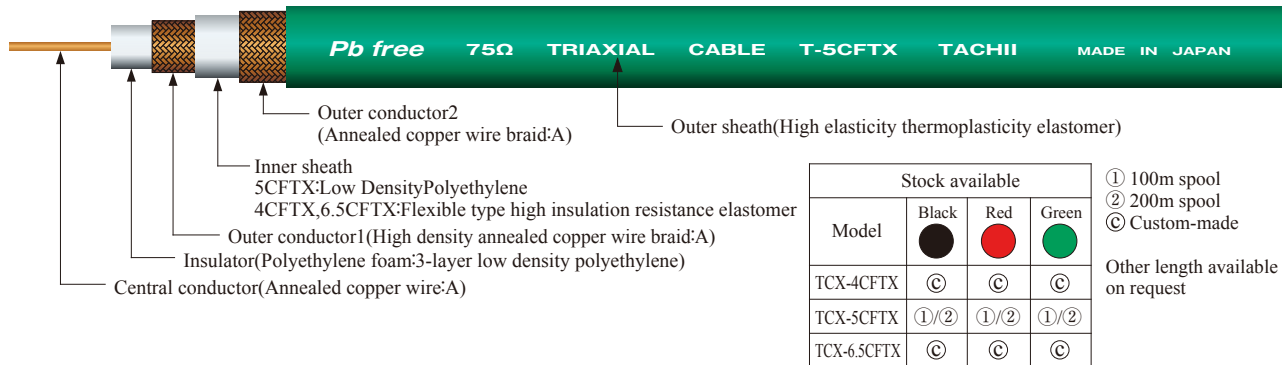
Applications

Best choice for power source of TV camera at broadcasting stations, as well as transmission of the multiplexed video signal and incoming signal

Features

- Assembled wire construction of central conductor wire to make more flexible for more easy handling of cable(TCX-5CFTX only).
- High density annealed copper wire braid (92 % min.) to lower electrical resistance in outer conductor 1.
- To make sure cable flexibility of TCX-4CFX, TCX-6.5CFTX, flexible and high insulation resistance elastomer has been employed for inner sheath.
- High elasticity thermoplastic elastomer with better abrasion resistance (Pb free) as outer sheath material. To protect outer sheath from degradation even used at open air, blended materials for anti-weather have been employed as sheath.

Configuration



Construction • Properties

Model	Central conductor	Insulator	Outer conductor 1(Braid)		Inner sheath	Outer conductor 2(Braid)		Finished product		Electrical properties			
	Structure wires/mm		O.D. mm	Structure strands/wires/mm		Density %	O.D. mm	Structure strands/wires/mm	Density %	O.D. mm	Approx. weight kg/100 m	Conductor resistance Ω/km	Capacitance pF/m
												1kHz	10MHz
NEW TCX-4CFX	1/0.80A	3.7	16/7/0.14A	93 min.	5.55	24/7/0.14A	abt.95	9.14	10.4	35.2 max.	56	75±3	20.9 max.
TCX-5CFTX	7/0.36A	4.8	16/10/0.14A	96 min.	6.55	16/10/0.14A	abt.84	8.8	10.2	26.3 max.	56	75±3	
NEW TCX-6.5CFTX	1/1.40A	6.4	24/8/0.14A	92 min.	8.45	24/10/0.14A	abt.95	11.2	16.3	11.7 max.	55	75±3	

Nominal Attenuation

Model	Nominal Attenuation (dB/100m)											
	10 MHz	30 MHz	72 MHz	88 MHz	90 MHz	135 MHz	180 MHz	220 MHz	270 MHz	440 MHz	750 MHz	1000 MHz
TCX-4CFX	3.2	4.9	7.7	8.5	8.6	10.6	12.3	13.7	15.2	19.7	26.2	30.6
TCX-5CFTX	2.5	4.2	6.6	7.3	7.4	9.2	10.5	11.9	13.4	17.5	23.8	—
TCX-6.5CFTX	1.7	2.8	4.4	4.8	4.9	6.1	7.1	7.9	8.8	11.4	15.3	18.0

TCX-5CFWS would like 8-letter-shape after processed both ends with BNC connector

