

## JUNFLON High-Frequency Coaxial Cable

### DTR Series (PTFE dielectric)

Conductor: Silver-plated annealed copper or silver-plated copper-clad steel

Dielectric: PTFE

Insulation: FEP (under shield of triaxial products)

Shield: Braided silver-plated annealed copper. Single-layer coverage better than 90% (doubler-shielding optional)

Jacket: FEP or PTFE

Color: On jacket (see product listings)

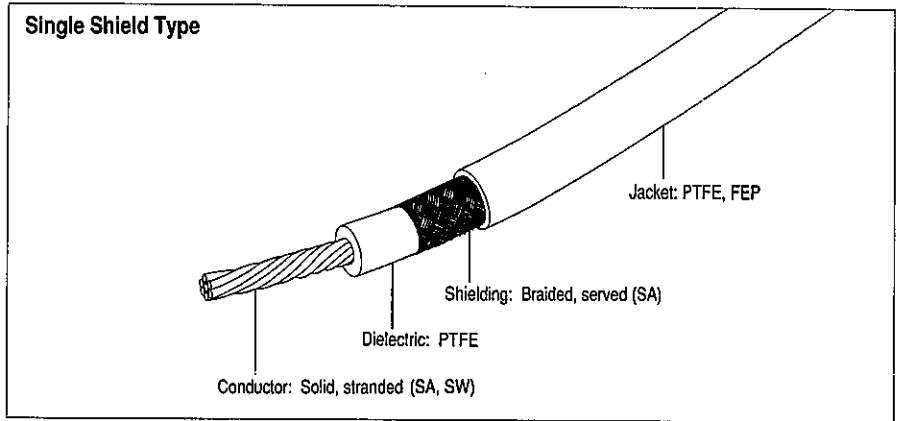
Temperature ratings:

260°C for PTFE, 200°C for FEP, 200°C for silver-plated annealed copper

Bondability:

Bonding to jacket requires pretreatment by Junkosha Tetra-Etch (page 142).

### Single Shield Type



### Single Shield Type

Catalog No.	Characteristic Impedance $\Omega$	Conductor			Dielectric			Outer conductor			Jacket				Signal propagation time (ns/m, typ)
		Material	Construction Strands/dia. mm	OD mm	Material	Color	OD mm	Material	Construction carr/ends/mm	Coverage min. %	Material	Color	Thickness mm	Overall dia. mm	
DTR178	50±2	SW	7/0.102	0.306	PTFE	Natural	0.86	SA	16/3/0.102	90	FEP	Blown	0.21	1.79	4.7
DTR196	50±2	SW	7/0.102	0.306	PTFE	Natural	0.86	SA	16/3/0.102	90	PTFE	White	0.30	1.97	4.7
DTR316	50±2	SW	7/0.170	0.510	PTFE	Natural	1.52	SA	16/5/0.102	90	FEP	Blown	0.23	2.49	4.7
DTR188	50±2	SW	7/0.170	0.510	PTFE	Natural	1.52	SA	16/5/0.102	90	PTFE	White	0.30	2.63	4.7
DTR303	50±2	SW	1/0.940	0.940	PTFE	Natural	2.95	SA	16/7/1.127	90	FEP	Blown	0.36	4.31	4.7
DTR179	75±3	SW	7/0.102	0.306	PTFE	Natural	1.60	SA	16/5/0.102	90	FEP	Blown	0.21	2.54	4.7
DTR187	75±3	SW	7/0.102	0.306	PTFE	Natural	1.52	SA	16/5/0.102	90	PTFE	White	0.30	2.63	4.7
DTR302	75±3	SW	1/0.643	0.643	PTFE	Natural	3.71	SA	16/7/0.127	85	FEP	Blown	0.36	5.10	4.7
DTR180	95±5	SW	7/0.102	0.306	PTFE	Natural	2.59	SA	16/7/0.102	90	FEP	Blown	0.24	3.58	4.7
DTR195	95±5	SW	7/0.102	0.306	PTFE	Natural	2.59	SA	16/7/0.102	90	PTFE	White	0.30	3.70	4.7

\* Items marked with \* are served shielded (ends/mm)

Numbers in bold are standard items.

### Double shield Type

Catalog No.	Characteristic Impedance $\Omega$	Conductor			Dielectric			Outer conductor				Jacket				
		Material	Construction Strands/dia. mm	OD mm	Material	Color	OD mm	Material	Inner shield		Outer shield		Material	Color	Thick-ness mm	Overall dia. mm
									Construction carr/ends/mm	Coverage min.	Construction carr/ends/mm	Coverage min.				
DTR178W	50±2	SW	7/0.102	0.306	PTFE	Natural	0.86	SA	16/3/0.102	90	16/4/0.102	90	FEP	Blown	0.21	2.30
DTR316W	50±2	SW	7/0.170	0.510	PTFE	Natural	1.52	SA	16/5/0.102	90	16/6/0.102	90	FEP	Blown	0.23	3.00
DTR142	50±2	SW	1/0.940	0.940	PTFE	Natural	2.95	SA	16/7/0.127	90	16/7/0.127	90	FEP	Blown	0.36	4.94
DTR400	50±2	SA	19/0.203	0.975	PTFE	Natural	2.95	SA	16/7/0.127	90	16/7/0.127	90	FEP	Blown	0.36	4.94
DTR304	50±2	SW	1/1.500	1.500	PTFE	Natural	4.70	SA	24/5/0.160	90	24/6/0.160	90	FEP	Blown	0.40	7.10
DTR393	50±2	SA	7/0.792	2.380	PTFE	Natural	7.24	SA	24/6/0.160	90	24/7/0.160	90	FEP	Blown	0.53	9.90
DTR179W	75±3	SW	7/0.102	0.306	PTFE	Natural	1.60	SA	16/5/0.102	90	16/6/0.102	90	FEP	Blown	0.21	3.04
DTR180W	95±5	SW	7/0.102	0.306	PTFE	Natural	2.59	SA	16/7/0.102	90	24/5/0.102	90	FEP	Blown	0.24	4.09

Numbers in bold are standard items