

- Operating temperature range -55°C to +200°C
- Highly flame retarded
- Highly flexible and fluid resistant conduit
- Not heat-shrinkable

HCTE-TW

Flexible convoluted thin wall tubing with a high crush resistance

HCTE-TW thin wall convoluted tubing is manufactured from high performance radiation crosslinked, modified Ethylene Tetrafluoroethylene (ETFE). The helical construction combines the excellent flexibility characteristics of a high performance material with high crush resistance. HCTE-TW tubing has a continuous operating temperature from -

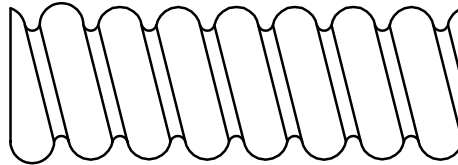
55°C to +200°C, up to 300°C for limited periods, combined with excellent resistance to lubricating oils, fuels solvents etc, in line with the standard wall product HCTE. HCTE-TW convoluted tubing can be used as an electrical harness component alone or used in conjunction with Raychem adaptors, and heat-shrinkable moulded

parts for a totally integrated harness system. Designed initially for the aerospace industry on applications requiring lightweight flexible products e.g. fuselage and wing harnessing HCTE-TW conduit has been approved and qualified for use in Airbus Industries.

Temperature rating

Operating temperature range: -55°C to +200°C

Ordering information



ASNE size	Min ID mm	Max OD mm	Standard package m	Weight g/m	Ordering description
04	3.0	5.9	60	10	HCTE-TW-0125-0
06	4.6	8.5	60	14	HCTE-TW-0187-0
09	7.0	11.0	60	17.5	HCTE-TW-0281-0
10	7.6	11.8	60	21	HCTE-TW-0312-0
12	9.2	13.4	30	24	HCTE-TW-0375-0
14	10.8	15.1	30	29	HCTE-TW-0437-0
16	12.3	16.7	30	33	HCTE-TW-0500-0
20	15.6	20.0	30	45	HCTE-TW-0625-0
24	19.0	24.0	30	54	HCTE-TW-0750-0
28	21.8	28.0	15	70	HCTE-TW-0875-0
32	24.5	31.8	15	82	HCTE-TW-1000-0

Standard colours

Colour: Black
Code: 0

The size of tubing chosen must have an internal diameter which is a minimum of 20% larger than the wirebundle to be covered in order to facilitate installation and retain flexibility.

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Performance

Heat ageing:	168 h at 260°C
Thermal shock:	+200°C to -55°C
Breakdown voltage:	12 kV (min)
Flammability:	15 s (max) to ASTM D876
Low temperature flexibility:	5,000 cycles at -55°C ABNE 0759
Bending Endurance	10,000 cycles to ABNE 0759

For full product performance details consult Raychem.

Specifications

Material Safety Data Sheet available on request.
Installation instructions available on request.

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