

Configurable Heat-Shrink Transition

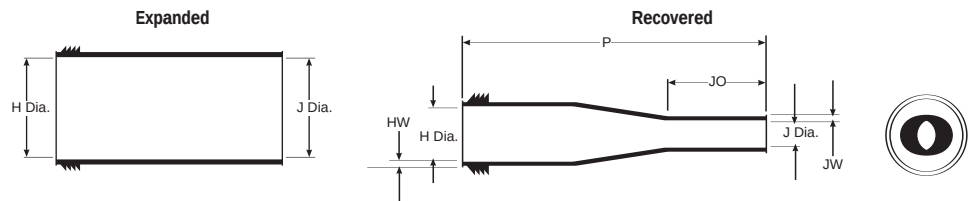
Product Facts

- Configurable heat-shrink transition
- Low cost commercial polyolefin
- 80°C [176°F] shrink temperature
- High shrink ratio
- Specially engineered easy-to-use crimp tool



4

Molded Parts



Applications

QFT heat-shrinkable transitions form a watertight seal protecting cable splices from corrosion and mechanical abuse while providing excellent electrical insulating properties. QFT products use special crimps that allow

them to be employed as 1:2, 1:3, and even 1:4 transitions. With their high shrink ratio and crimps the configurable QFT product line can accommodate almost all of your transition needs with only 3 product sizes.

Operating Temperature Range

-20°C to 70°C
[-4°F to 158°F]

Specifications/Approvals

Raychem	RW 2008	Molded Part
	RT1050/1	Adhesive

Temperature Ratings

Operating temperature range	-20°C to 70°C [-4°F to 158°F] (125°C [257°F] without sealant)
Minimum recovery temperature	55°C [131°F]
Maximum storage temperature	40°C [104°F]

Dimensions Table

	H		J		P +/- 10%	JO +/- 10%	HW +/- 20%	JW +/- 20%
	Min.	Max.	Min.	Max.				
QFT1	31.0 [1.22]	9.0 [.35]	31.0 [1.22]	4.4 [.17]	60.0 [2.36]	12.0 [.47]	1.5 [.06]	1.0 [.039]
QFT2	43.0 [1.69]	14.0 [.55]	43.0 [1.69]	7.0 [.28]	75.0 [2.95]	18.0 [.71]	1.8 [.07]	1.0 [.039]
QFT3	57.0 [2.24]	24.0 [.95]	57.0 [2.24]	12.0 [.47]	90.0 [3.53]	25.0 [.98]	1.8 [.07]	1.0 [.039]

Typical QFT Performance

Transitions

QFT (Continued)

	Property	Performance	Test method
Physical	Tensile strength	10 MPa (1500psi) minimum	ISO 37
	Ultimate elongation	250% minimum	ISO 37
	Longitudinal change	0 to 20% maximum	ISO 1183
	Specific gravity	1.4 maximum	ISO 1183
	Heat aging	Minimum 200% ultimate elongation	ISO 188
	168 hours at 120°C [248°F]	Tensile Strength 10 MPa min.	ISO 37
Electrical	Heat shock	No cracking, dripping or flowing	ASTM D 2671
	4 hours at 105°C		
	Dielectric strength	8MV/m minimum	IEC 243-1
Chemical	Fluid resistance 1	(24 +/- 2h immersion at 23C+/- 2C)	ISO 1817
	Engine Oil	(SAE 20W/50)	—
	Hydraulic Fluid		
	Tensile Strength	10 MPa minimum	ISO 37
	Ultimate Elongation	200% minimum	—
	Fluid resistance 2	(30 +/- 3m immersion at 23C+/- 2C)	ISO 1817
	Automotive gasoline	(BS 4040)	—
	Diesel fuel	(BS 2869)	—
	Cleaning fluid	(TL 6850-07)	—
	Antifreeze	(Ethylene Glycol/Water 50/50 v/v)	—
	Engine cleaning fluid	(Gunk)	
	Tensile strength	10 MPa minimum	ISO 37
	Ultimate elongation	200% minimum	—

Part Numbering System

QFT3 - 130/42 - 0*



*Available in bulk pack, part number QFT3-130/42-0-B500 (US and UK).

Ordering Information

Color	Standard	Black (-0)
	Code	0
Packaging	Standard	10 pieces per bag, 30 clips
	Bulk pack	500 pieces per box and 500 clips per bag (clips ordered separately)
		- contact Tyco Electronics for details
Crimp tool	QFT-Crimp-Tool-Manual (069172-000)	