



YAK-11 MODULE

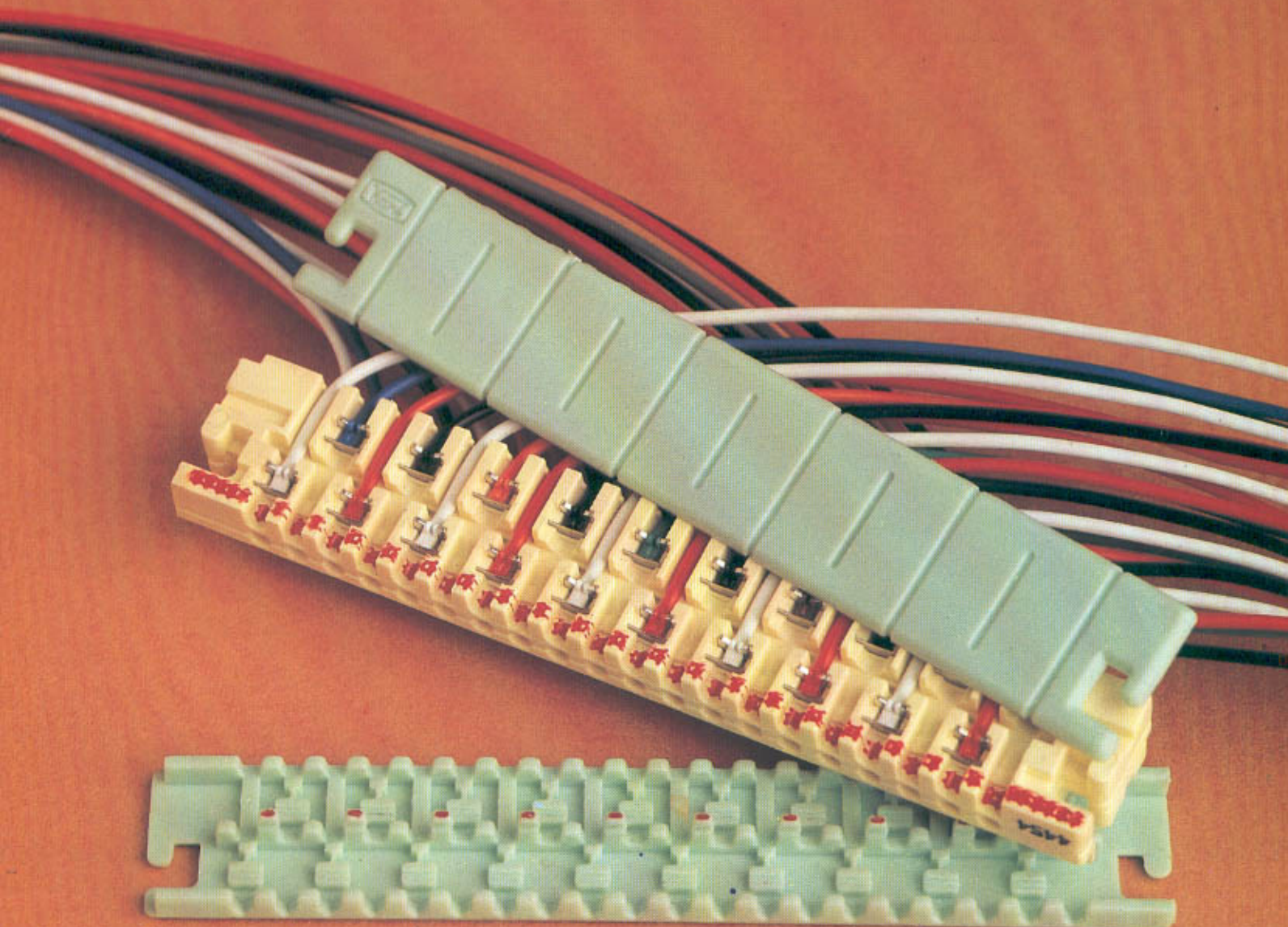
* YAK-11 Module connects 10 pair of 0,32-0,8 mm (28-20 AWG) conductors at one time and reduces the installation time in outside or inside.

* The conductor sizes and insulations may be intermixed within the Module with a maximum insulation o.d. of 1,65 mm.

* The connections are made using the U-contact.

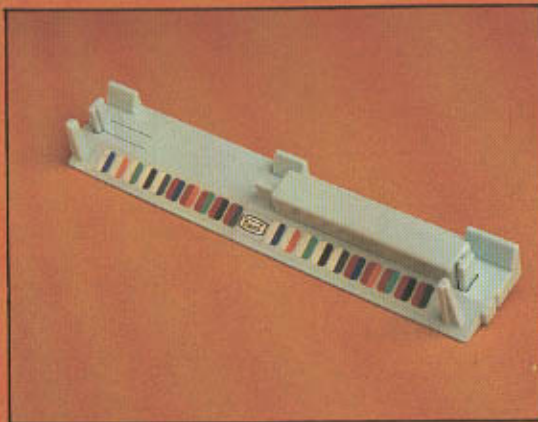
Principle excess wire is automatically trimmed by cut-off blades, when YAK-11 Module is crimped.

* Test entry ports in the front side of the Module body provide access for testing individual pairs without opening the cover, stripping insulation or interrupting service.

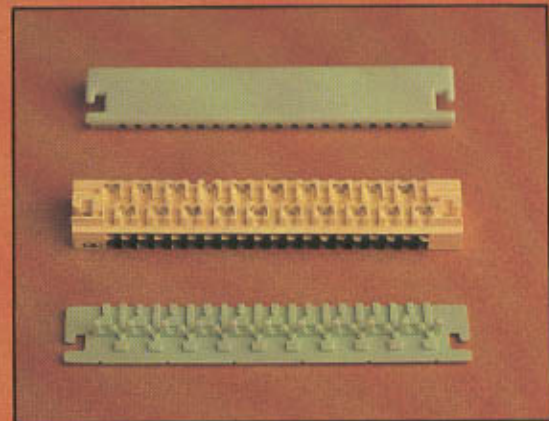


TESTS		TEST CONDITIONS	DEMAND	
ELECTRICAL TEST	Connection	Contact Resistance	4 wire technique; ≤ 20 mV and ≤ 50 mA	
		Stability	Dielectric Strength (AC)	50 Hz. ; over 60 sec. ; ≥ 3000 Veff
	Tests	Dielectric Strength (Surge)	3600 V ; 1,2/50 µsec.	no spark over
		Pulse Current Strength	4000 A ; 8/20 µsec.	Contact element must not get dark
	Insulation Strength	High Humidity	between 4 °C and 60 °C at 95% r.H. with 3 and 3/4 hour min. dwell.;150 12-hour cycles.	10 ⁸ Ω
		Water Immersion	5% salt water; 250 V DC; 30 days	10 ⁸ Ω
	Accelerated Ageing Tests	Stress Relaxation	118 °C ; 33 days ; 2,2 N force	ΔR < 1 mΩ
		Temperature Cycle	between -40 °C and +60 °C ; 512 8-hour cycles	ΔR < 1 mΩ
		Temperature Cycle with High Humidity	between -40 °C and +60 °C ; 95% r.H. ;300 12-hour cycles.	ΔR < 1 mΩ
		Heat / Cold Test	-195 °C (20 sec.); +82 °C (240 sec); 100 cycles	ΔR < 1 mΩ
	Vibration test	10-55 Hz.; 0,35 mm; 30 cycles; 3 planes	ΔR < 1 mΩ	
MECHANICAL TEST	Tensile Strength		cross-head speed of 1 mm/sec.	> 85% control wire breaking strength
	Wire Torsion		The wires are bent 90° against the connector body and rotated 180° to each side 10 times.	No wire breakage or slipping in contact.
	Wire Bending		The conductors are bent 90° toward each side 10 times	No wire breakage or slipping in contact.
CORROSSION TESTS	Salt Spray Test		30 °C; 5% salt water; 1458 hours	ΔR < 2 mΩ
	Hydrogen Sulfide Test		1 cm ³ /m ³ H ₂ S 105 °C 1 hour ; 1 cm ³ /m ³ H ₂ S 55°C 1 hour ; 100 cycles	ΔR < 2 mΩ
	Galvanic Corrosion		4 °C(min. 3,5 hours) and 60 °C(min. 3,5 hours) 95% r.H. ; 5 months 12 hour cycles.	ΔR < 2 mΩ

- * YAK-11 U Module is designed for half-tap splicing. They are no cut-off blades in the bottom of the Module's body.
- * The run or through wire can be half-tapped without cutting the conductors. The wires in the base are electrically connected, but they are not cut-off.
- * YAK-11 U Module body is on the front side and green colored for easy identification.



YAK-11A Adapter for Splicing Rig



YAK-11U Paralel Module

