BMW M50 Turbo wiring loom

Made with Raychem 55 wire used with Roundit sleeve for temperature and mechanical protection.

Raychem 55 wire is insulated with modified radiation cross-linked ETFE polymer and combines the easy handling of a flexible thin wall wire, with excellent scrape abrasion and cut-through characteristics.

The single wall construction is currently used extensively throughout industry, applications include commercial wiring avionics, satellites, aircraft, helicopters, ships, trains, offshore platforms and high performance military and motorsport electronics or wherever there is a demand for reliable performance under extreme conditions. The dual wall airfame construction is commonly used on numerous commerical and military aircraft programmes throughout the world.

Features & Benefits

• Resistant to electrical arc tracking in wet or dry conditions
• Single or dual wall construction
• Small size, ultra light weight
• Exceptional chemical resistance

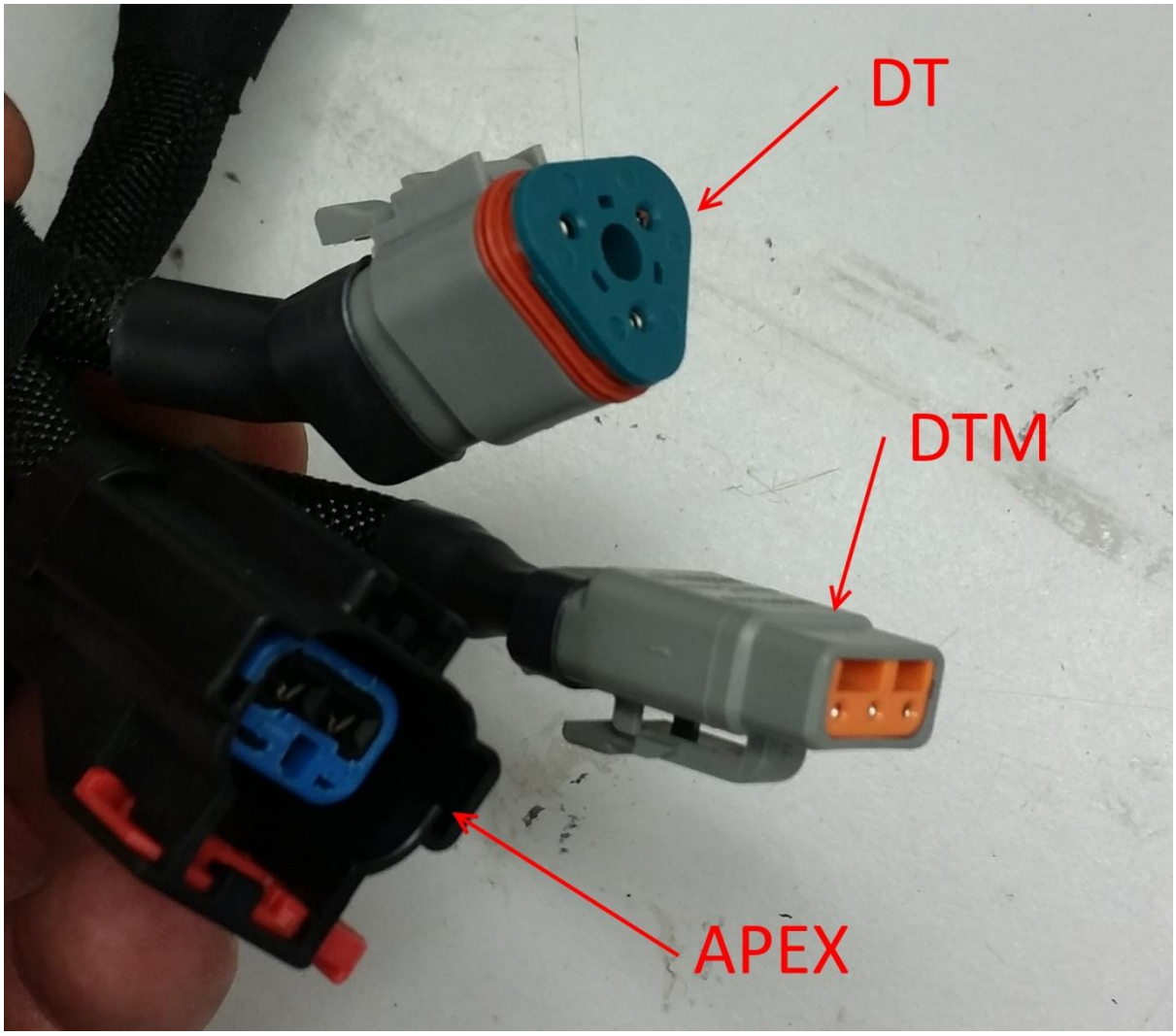
Operating temperature up to 200degC

Roundit ® 2000 NX is a woven combination of Nomex® and PPS (polyphenylene sulfide). The Nomex®/PPS blend in flat weave construction gives Roundit 2000 NX a rugged yet smooth texture and appearance for high temperature bundling and abrasion resistance. This product is rated to +200ºC and is nonhalogenated. Roundit 2000 NX is ideal for commercial and defence aircraft applications due to its excellent abrasion resistance and halogen-free qualities. Roundit® products are tough, lightweight over sleeves used to bundle and protect cable assemblies, hoses and wire harnesses from chafing, cutting and abrading. The self-wrapping feature of Roundit products allows quick and easy application and removal of the product for assembly and maintenance. The product may also be applied or removed without disturbing connectors or fittings.

Bulkhead connector provided for quick disconnection all the wiring loom .

Inner part of the loom is supplied with two relays one for **Radiator fan** and second for **fuel pump.**

Connection to chassis wiring. (all mating halves in bag)



High current APEX connector

Pin 1 – 12v battery

Pin 2 – 12v battery

Both connection need to be done with at least 14AWG wire (about 2.5 square millimetre wire)

DTM 3 way

Pin 1- Tacho output to rev counter or other dash

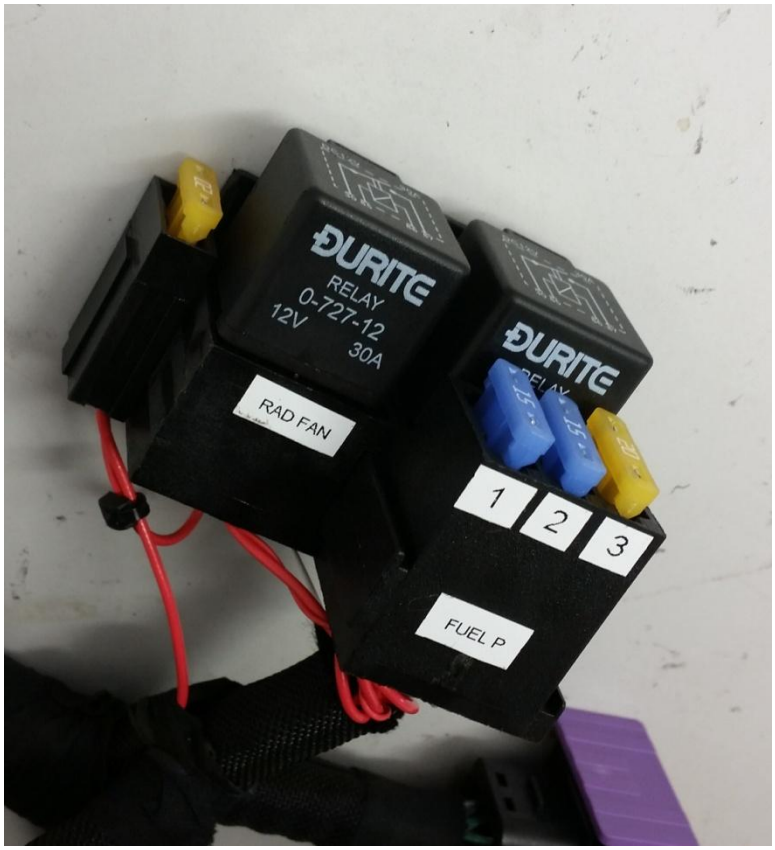
Pin2 – ALS switch

Pin3 – alternator excitation lamp

DT 3 way connector.

A- Ignition switch – switchable 12volt
B- Starter motor switch – fused 20A at least
C- Fuel pump- direct connection to high pressure fuel pump already fused

Fuses



Fuse 1- ignition coils and injector power supply

Fuse 2 - ecu

Fuse3 - Lambda heater , vanos solenoid, ALS output power supply

Fuse 4 - radiator fan.

Wiring is supplied with Inconel EGT probe connected with compensation wires directly to ecu.

Optional sensors available

Low cost pressure sensor (fuel and oil)-

Professional Pressure sensor 10 bar -

LSU 4.2 genuine bosch lambda sensor -

Bosch temperature sensor coolant

Bosch air temperature sensors


Military spec strain reliefe boot


COIL 6
INJ 6
FUEL PRESS
INJ 5