

TECHNICAL DATA SHEET

EVO™ High Voltage Cable Protection System

HV Connector Interfaces

Harnessflex
SPECIALIST CONDUIT SYSTEMS



Connector interfaces for use with TE HVA280-3 High Voltage connectors

Certifications / Standards:

(Refer to tables for certifications details)



Features & benefits:

- Supports connector Ingress Protection (IP) performance
- Isolates and reduces cable movement
- Provides cable-connector interface with high mechanical protection
- Provides connector to cable strain relief
- High pull-off strength - conduit corrugations sit tightly into joiner junctions.
- Enhanced abrasion and vibration protection
- Compact, external fit for unrestricted bore and quick assembly.
- Tamperproof, integrated clip system as standard
- Safe for use with 1000V AC and 1500V DC

Applications:

- For use with high voltage connectors
- Electric ancillaries
 - Power steering
 - Air conditioning
 - Heaters
- DC/DC Convertors
- Onboard chargers
- High voltage battery packs
- Hybrid systems
- Hydrogen fuel cell vehicles
- Static power systems

Temperature range:

- Static applications: -40°C to +200°C
- Dynamic applications: -40°C to +160°C

UV Resistance:

- High

Material / Materials / Finishes:

- Polyamide (Nylon) PA46
- Orange (RAL2008)

Conforms to:

- CE marked to Low Voltage Directive 2014/35/EU
- RoHS Compliant to 2011/65/EU
- Conforms with end of life vehicle directive (ELV) EU200/53/EC

Fire Performance:

- Low Smoke
- Halogen free
- Self extinguishing
- UL94 V2 rating

Degree of mechanical protection:

- High

Chemical resistance:

- See datasheet [TDS000081](#)



EVO™ High voltage connectors – Part numbers and dimensions



Part No.	Conduit size (NC)	Conduit size (NW)	Connector Series	Dimensions		
				A	B	C
CI16-HVA280-3	16	13	TE HVA280	42.9	33.4	30.6

