TECHNICAL TABLE – VDE REFERENCE CODE

Instrument cables PAS 5308 Part 1 / PE insulated

VDE REFERENCE CODE

With PVC outer sheath:

- RE-2Y(St)Y overall screen
- RE-2Y(St)Y PiMF individual screen plus overall screen
- RE-2Y(St)YRY overall screen plus steel wire armour
- RE-2Y(St)YRY PiMF individual screen plus overall screen plus steel wire amour

With LSOH outer sheath:

- RE-2Y(St)H overall screen
- RE-2Y(St)H PiMF individual screen plus overall screen
- RE-2Y(St)HRH overall screen plus steel wire armour
- RE-2Y(St)HRH PiMF individual screen plus overall screen plus steel wire amour

Instrument cables PAS 5308 Part 1 / XLPE insulated

VDE REFERENCE CODE

With PVC outer sheath:

- RE-2X(St)Y overall screen
- RE-2X(St)Y PiMF individual screen plus overall screen
- RE-2X(St)YRY overall screen plus steel wire armour
- RE-2X(St)YRY PiMF individual screen plus overall screen plus steel wire amour

With LSOH outer sheath:

- RE-2X(St)H overall screen
- RE-2XY(St)H PiMF individual screen plus overall screen
- RE-2X(St)HRH overall screen plus steel wire armour
- RE-2X(St)HRH PiMF individual screen plus overall screen plus steel wire amour

Instrument cables PAS 5308 Part 2 / PVC insulated

VDE REFERENCE CODE

With PVC outer sheath:

- RE-Y(St)Y overall screen
- RE-Y(St)Y PiMF individual screen plus overall screen
- RE-Y(St)YRY overall screen plus steel wire armour
- RE-Y(St)YRY PiMF individual screen plus overall screen plus steel wire amour

Technical glossary of terms:

PE	=>	Polyethylene is a good electrical insulator. It offers good tracking resistance.
XLPE	=>	Is a cross-linked polyethylene compound (XLPE). XLPE insulated cables have a rated maximum conductor temperature of 90 °C and an emergency rating up to 140 °C, depending on the standard used. They have a conductor short-circuit rating of 250 °C. XLPE has excellent dielectric properties.
PVC	=>	PVC is a polymer with good insulation properties but because of its higher polar nature the electrical insulating property is inferior to non-polar polymers such as polyethylene and polypropylene.
CAM	=>	collectively screened
IAM	=>	pairs individually screened
IAM/CAM	=>	pairs individually screened plus collectively screened
Type 1	=>	without armouring
Type 2	=>	with armouring (e.g. with SWA – steel wire armour)