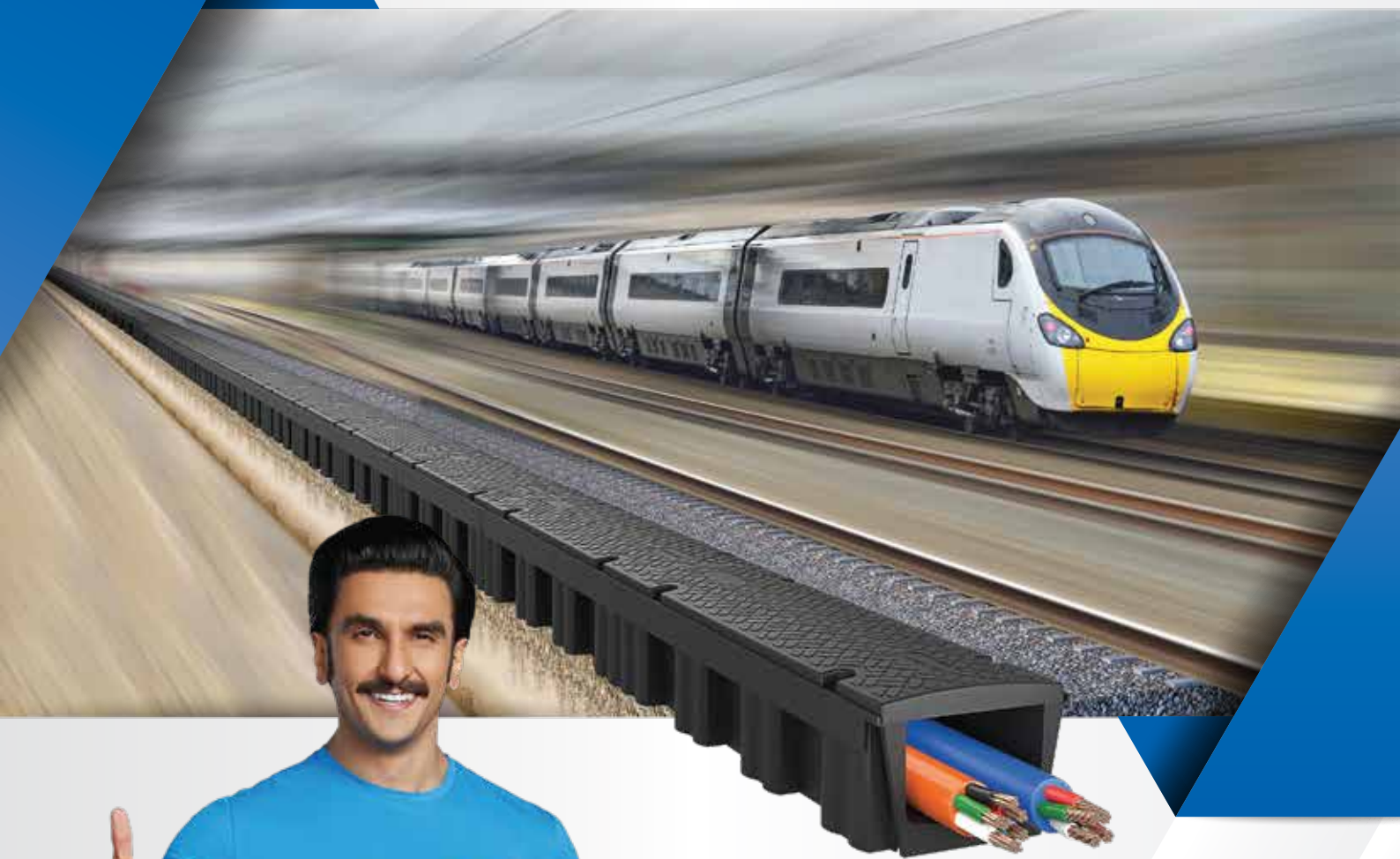


CELEBRATING
25 YEARS
OF TRUST &
INNOVATION



INFRA
DIVISION

MultiRex[®]



POLYOLEFIN CABLE CHANNEL

TO PROTECT SIGNAL, POWER
& COMMUNICATION CABLES

TECHNICAL SPECIFICATIONS

PROPERTIES	UNIT / REQUIREMENTS
Length	▶ 1000mm (appx.)
Width (Int. / Ext.) (mm)	▶ 240mm / 340mm
Height (Int. / Ext.) (mm)	▶ 155mm / 230mm
Material	▶ Polyolefin
Min. Weight	▶ 8.00 kg
Tolerance in Dimensions	▶ ± 10 mm as per RDSO guideline
Fire Behavior	▶ Conforms to Fire Protection Class K1 in accordance with DIN 53438 (Part-2)
Mechanical Characteristics	▶ Load Bearing Capacity: ≥ 15 kN
Electrical Characteristics	▶ Dielectric strength: 48 kV (Min. Breakdown Voltage as per IEC 60243-1)
Thermal Characteristics	▶ Continuous thermal stability from -10°C to 70°C as per RDSO guideline
Anti Rodent Properties	▶ Available
Low Smoke Properties	▶ Available
Locking Method	▶ Lock Key Mechanism - Push Fit & Slide Fit

SPECIFICATIONS FOR TENDERS

Supply of Polyolefin Injection-molded cable channel of size width (int. / ext.) 240 / 340mm, height (int. / ext.) 155mm / 230mm, length 1 meter (tolerance in dimensions ± 10 mm) min weight per meter-8kg (top and bottom), fire protection class K1 in accordance with DIN 53438 Part-2, Load bearing strength (minimum) - ≥ 15 kN at room temperature, channel attachable to each other with male-female swallowtail connectors and having suitable detachable cover.

SPECIFICATION FOR RAILWAYS

As per RDSO-Ref No.: STS / Cable- Laying Practices Vol-IV dated 09.05.2018



ADVANTAGES OF POLYOLEFIN CHANNELS OVER CONCRETE TRAYS

- ▶ Polyolefin channels are 10 times lighter than Concrete trays hence lesser transportation and handling cost
- ▶ Chances of breakage during transportation and installation are lesser in Polyolefin channels compared to brittle Concrete trays
- ▶ Polyolefin channels can be joined without any special techniques compared to complex installation process of Concrete trays
- ▶ Astral MultiRex Polyolefin channels come with special arrangement for water discharge where as water clogging in Concrete trays leads to vegetation
- ▶ Astral MultiRex Polyolefin channels are also available as per RDSO specifications hence superior than Concrete trays which are largely manufactured by unorganized sector
- ▶ Astral Multirex channels and lids are available with push-fit/slide-fit and lock-key mechanism which minimizes the misalignment occurring while placing concrete channels in the trench