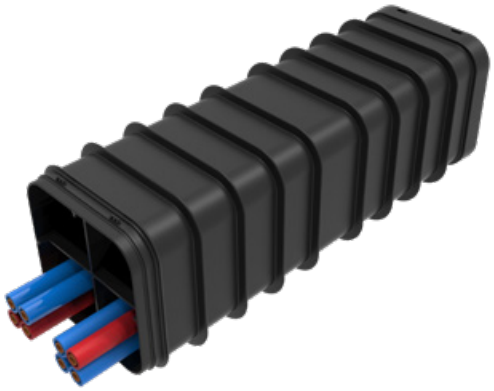
Cable Protection

MULTIduct ™



Applications: traffic signals, street lighting, motorways, carriageway crossings, bridge crossings, tunnels

The NAL MULTIduct™ system is a cutting-edge ducting solution designed for efficient and durable cable management in carriageway crossings, bridge crossings, and tunnel installations. Manufactured from nitrogen-foamed high-density polyethylene, MULTIduct™ delivers high strength-to-weight ratio, exceptional crush resistance, and ease of handling for rapid installation.

Key features

- Available in 2, 3, 4, 6, and 9-way formations; can be stacked to create multiple duct banks
- Lightweight design allows for single-person handling
- Simple, rapid assembly using push-fit or steel clip systems
- Supplied in a range of colours to suit specific highway and infrastructure requirements

Advantages

- High crush strength: install as shallow as 200mm in carriageways
- Rapid installation with minimal excavation and simple assembly
- All components are within the one-person weight lift limit, enhancing site safety
- Square section design increases duct capacity and reduces cable contact surface
- More cost-effective than traditional ducting for road crossings, shallow depths, verges, bridges, and tunnels
- Full range of accessories available for bends, breakouts, and standard duct integration
- Manufactured from 70% recycled material
- Enables multi-use road crossing points, reducing the need for repeated excavations

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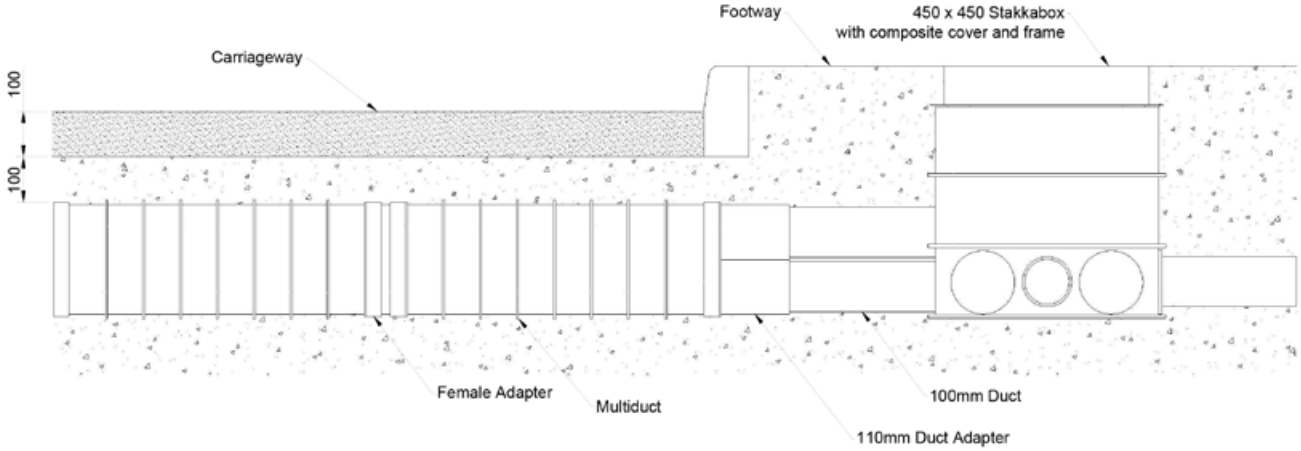

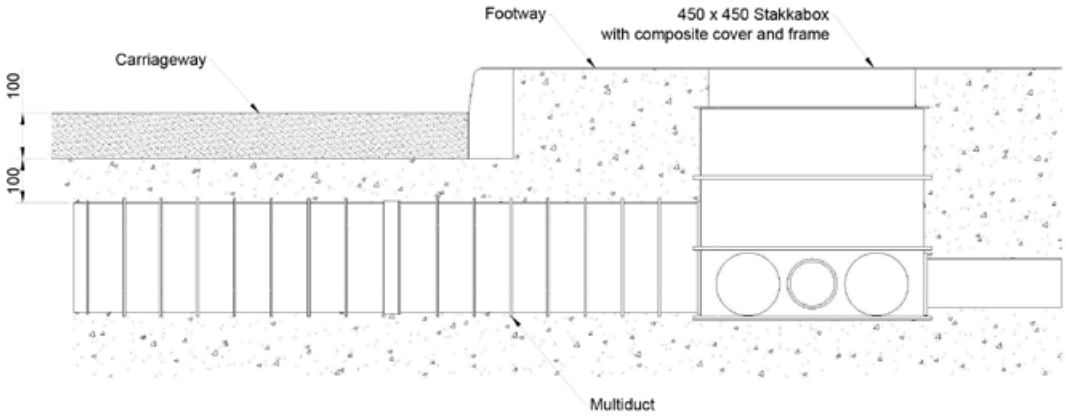

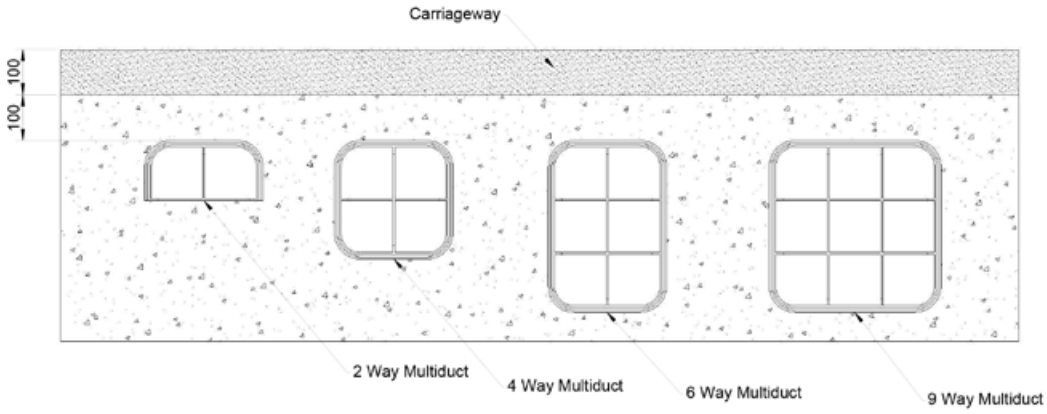

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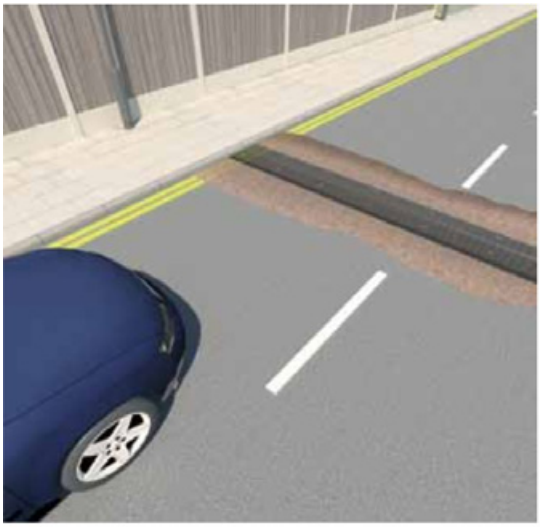

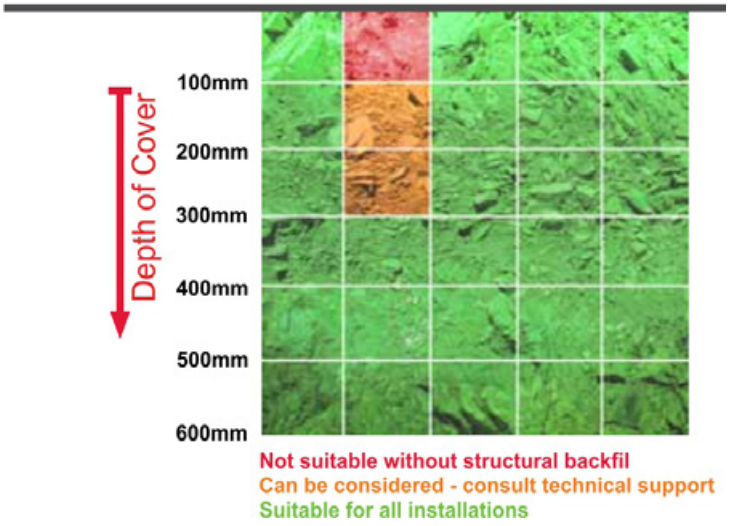

MULTIduct ™ Specification

Multiduct must be supplied in sections equivalent to 2, 4, 6, or 9 x 110mm twinwall duct.

Multiduct must be manufactured from Nitrogen foamed high density polyethylene.

Multiduct must be capable of being installed in carriageway installations with a minimum surface cover of 200mm.

Multiduct must be capable of withstanding a continuous vertical load test of 65 (kN) and a point load test of 28 (kN) as a minimum.

Multiduct must be ribbed on the outside to prevent lateral movement when installed.

Each duct space must be equivalent to 110mm single duct and should have four distinct sides to allow for easier cable pulling due to reduced pulling forces on the cable.

Units should be connected with a push-fit mechanism with a tensile capacity of 3.69kN.

Multiduct sections must be under 20kgs in weight enabling safe manual handling by one person.

Multiduct must be completely recyclable at end of life.

Multiduct must be supplied to the above specification by NAL Ltd or an equally approved manufacturer.

NAL
A CRH COMPANY

T: +44 (0)1905 427100
E: sales@nal.ltd.uk
W: www.nal.ltd.uk

NAL
Weir Lane
Worcester
WR2 4AY