



NEW!

TELECOM NZ “APPROVED”

NEXUS 100mm TWIN WALL POLYETHYLENE (TWPE) DUCT

NEXUS TWPE duct and fittings add new vitality to the rapidly expanding telecommunication ducting market.

Iplex Pipelines NZ Ltd recently received Telecom NZ approval to supply Nexus 100mm Telecom Green TWPE Duct (750N) and associated fittings to approved Telecom Contractors for use on Telecom NZ projects. The duct and fittings are listed on the Telecom Networks Specified Product List.

The twin wall profile of the Nexus Telecom duct brings all the advantages of plastic technology to the telecommunication market. The Nexus 100mm duct has a corrugated outer and a smooth inner layer. The two HDPE (PE80C) layers are extruded simultaneously and heat welded together in a continuous process. This produces a semi-rigid high strength duct ideal for use where high crush loads may occur during installation or in service. The duct is supplied in 6m lengths and incorporates a rubber ring coupling system.

Features	Benefits
<ul style="list-style-type: none">• HDPE with twin wall construction.	<ul style="list-style-type: none">• Excellent ring strength and impact resistance.
<ul style="list-style-type: none">• HDPE smooth inner bore.	<ul style="list-style-type: none">• Enhances cable draw-in.
<ul style="list-style-type: none">• Lightweight, 6 metre lengths.	<ul style="list-style-type: none">• Easy handling and laying, saving labour and handling costs
<ul style="list-style-type: none">• Simple rubber ring jointing system.	<ul style="list-style-type: none">• Joints are waterproof and easy to install.
<ul style="list-style-type: none">• O.D. compatible with 100mm Telecom PVC solid wall duct.	<ul style="list-style-type: none">• Can be used with standard Telecom PVC fittings.

The Nexus 100mm TWPE duct and associated fittings are manufactured to BS EN 50086-2-4 “Conduit Systems Buried Underground”. When tested in accordance with Clause 10.2.5 of BS EN 50086-2-4 the stiffness of the duct exceeds 750N. Performance and installation criteria are both similar to the equivalent 100mm solid wall PVC Telecom duct.

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Technical details:

Product	Nom. Size (mm)	Colour	Stiffness	Joint Type	Outside Diameter (mm)	Inside Diameter (mm)	Inner Wall Thickness (mm)	Effective Length (mm)
Nexus Teleduct	100	Green	750N	RRJ	110.2 ± 0.2	94.7 ± 0.2	0.8 ± 0.05	6007 ± 12.7

Nexus 100mm TWPE Duct Bends

The standard range of Telecom 100mm solid wall PVC bends with rubber ring joint are suitable for use with the 100mm Nexus TWPE duct. However, there is a specific range of Nexus 100mm TWPE bends available for installers who wish to use similar product for both duct and bends.

Range available:

Product Code	Nominal Size (mm)	Angle (mm)	Bend Radius (mm)	Overall length (mm)
NTDO3.100.22R600	100	22 ⁰	600	850
NTD03.100.22R900	100	22 ⁰	900	1000
NTD03.100.45R600	100	45 ⁰	600	1000
NTD03.100.45R900	100	45 ⁰	900	1200
NTD03.100.90R600	100	90 ⁰	600	1500
NTD03.100.90R900	100	90 ⁰	900	2000

Tolerance on bend angle: ± 7.5%

Nexus 100mm TWPE duct and fittings can be purchased through the normal channels used for sourcing Telecom NZ approved duct products. Contact your Telecom duct provider or Iplex Pipelines Ltd.

For more information:

Phone: 0800 800 262

Fax: 0800 800 804



The information contained in this brochure is intended to be of a general nature and should be used as a guide only. Before relying on any of the information in this brochure, you should first refer to the appropriate codes and standards and consult Iplex Pipelines and/or Telecom NZ Ltd.