

TENDER NO: 299G/2023/24

Item No.	Item Description	Make/ Model/ Part Number	OEM/Distributor name	OEM/Distributor Unit Cost Price excl. VAT (per unit) in Rands	Mark-up (%)
1	OPTIC FIBRE CABLES				
1.1	Micro Cable (2.4mm diameter)				
A	12-strand cable G655D			R	
B	12-strand cable G657A1			R	
1.2	Mini Cable (6-8mm mm diameter)				
A	12-strand cable – G655D (4km drum)			R	
B	12-strand cable – G657A1 (4km drum)			R	
C	24-strand cable – G655D (4km drum)			R	
D	24-strand cable – G657A1 (4km drum)			R	
E	48-strand cable – G655D (4km drum)			R	
F	48-strand cable – G657A1 (4km drum)			R	
G	72-strand cable – G655D (4km drum)			R	
H	72-strand cable – G657A1 (4km drum)			R	
I	144-strand cable – G655D (4km drum)			R	
J	144-strand cable – G657A1 (4km drum)			R	
K	288-strand cable – G655D (4km drum)			R	
L	288-strand cable – G657A1 (4km drum)			R	

TENDER NO: 299G/2023/24

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1.3	Overhead Optic Fibre Cable (All-dielectric self-supporting)				
A	12-strand cable – G652.D (4km drum)			R	
B	24-strand cable – G652.D (4km drum)			R	
C	48-strand cable – G652.D (4km drum)			R	
D	72-strand cable – G652.D (4km drum)			R	
1.4	Ruggedized/Heavy Duty underground Optic Fibre Cable				
A	24 Optic Fibre heavy duty duct cable - G652.D (6km drum)			R	
B	48 Optic Fibre heavy duty duct cable – G652.D (6km drum)			R	
C	72 Optic Fibre heavy duty duct cable – G652.D (5km drum)			R	
2	OPTIC FIBRE PATCH LEADS				
2.1	1.7MM DUPLEX FIBRE PATCH LEADS (price for all 12 connector combinations for each length)				
A	1m G657A1			R	
B	2m G657A1			R	
C	3m G657A1			R	
D	4 m G657A1			R	
E	5m G657A1			R	
F	6m G657A1			R	

TENDER NO: 299G/2023/24

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G	7m G657A1			R	
H	8m G657A1			R	
I	9m G657A1			R	
J	10m G657A1			R	
K	12m G657A1			R	
L	14m G657A1			R	
M	16m G657A1			R	
N	18m G657A1			R	
O	20m G657A1			R	
P	22m G657A1			R	
Q	24m G657A1			R	
R	26m G657A1			R	
S	28m G657A1			R	
T	30m G657A1			R	
U	32m G657A1			R	
V	34m G657A1			R	
W	36m G657A1			R	

TENDER NO: 299G/2023/24

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X	38m G657A1			R	
Y	40m G657A1			R	
2.2	1.7MM DUPLEX FIBRE PATCH LEADS (price for all 12 connector combinations for each length)				
A	1m G655D			R	
B	2m G655D			R	
C	3m G655D			R	
D	4 m G655D			R	
E	5m G655D			R	
F	6m G655D			R	
G	7m G655D			R	
H	8m G655D			R	
I	9m G655D			R	
J	10m G655D			R	
K	12m G655D			R	
L	14m G655D			R	
M	16m G655D			R	

TENDER NO: 299G/2023/24

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N	18m G655D			R	
O	20m G655D			R	
P	22m G655D			R	
Q	24m G655D			R	
R	26m G655D			R	
S	28m G655D			R	
T	30m G655D			R	
U	32m G655D			R	
V	34m G655D			R	
W	36m G655D			R	
X	38m G655D			R	
Y	40m G655D			R	
2.3	3.8 MM x 6.6 MM RUGGEDIZED DUPLEX FIBRE PATCH LEADS (price for all 12 connector combinations for each length)				
A	5m – G657A1			R	
B	10m – G657A1			R	
C	15m – G657A1			R	

TENDER NO: 299G/2023/24

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D	20m – G657A1			R	
E	25m – G657A1			R	
F	30m – G657A1			R	
G	35m – G657A1			R	
H	40m – G657A1			R	
I	45m – G657A1			R	
J	50m – G657A1			R	
2.4	3.8 MM x 6.6 MM RUGGEDIZED DUPLEX FIBRE PATCH LEADS (price for all 12 connector combinations for each length)				
A	5m – G655D			R	
B	10m – G655D			R	
C	15m – G655D			R	
D	20m – G655D			R	
E	25m – G655D			R	
F	30m – G655D			R	
G	35m – G655D			R	
H	40m – G655D			R	

TENDER NO: 299G/2023/24

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I	45m – G655D			R	
J	50m – G655D			R	
2.5	1.7MM CONNECT IDENTIFICATION FIBRE PATCH LEADS				
A	3m G655D (LC-APC)			R	
B	6m G655D (LC-APC)			R	
C	9m G655D (LC-APC)			R	
2.6	1.7MM Connect Identification Fibre Patch Leads				
A	3m G657A1 (LC-APC)			R	
B	6m G657A1 (LC-APC)			R	
C	9m G657A1 (LC-APC)			R	
2.7	Attenuators				
A	5db Attenuators (Connector ST-UPC)			R	
B	10db Attenuators (Connector ST-UP)			R	
C	15db Attenuators (Connector ST-UPC)			R	

TENDER NO: 299G/2023/24

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D	5db Attenuators (Connector LC-UPC)			R	
E	10db Attenuators (Connector LC-UPC)			R	
F	15db Attenuators (Connector LC-UPC)			R	
2.8	Midcouplers				
A	LC APC - LC APC Duplex (Green)			R	
B	LC UPC – LC UPC Duplex (Blue)			R	
C	SC APC – SC APC Single (Green)			R	
D	SC UPC – SC UPC Single (Blue)			R	
3	OPTIC FIBRE PATCH PANELS				
3.1	19" Rack-Mounted Fibre Patch Panels for OSP cables and Ruggedized				
A	12-fibre panel with G655D pigtails, 6 duplex LC-APC midcouplers			R	
B	12-fibre panel with G657A1 pigtails, 6 duplex LC-APC midcouplers			R	
C	24- fibre panel with G655D pigtails, 12 duplex LC-APC midcouplers			R	
D	24- fibre panel with G657A1 pigtails, 12 duplex LC-APC midcouplers			R	
E	48- fibre panel with G655D pigtails, 24 duplex LC-APC midcouplers			R	
F	48- fibre panel with G657A1 pigtails, 24 duplex LC-APC midcouplers			R	
G	Ruggedized OSP heavy duty cables 15mm- 12-fibre panel with G.652 pigtails, 6 duplex SC-APC midcouplers			R	

TENDER NO: 299G/2023/24

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H	Ruggedized OSP heavy duty cables 15mm- 24- fibre panel with G.652 pigtails, 12 duplex SC-APC midcouplers			R	
I	Ruggedized OSP heavy duty cables 15mm- 48- fibre panel with G.652 pigtails, 24 duplex SC-APC midcouplers			R	
3.2	19" Rack-Mounted Fibre Patch Panels for ISP patch cables				
A	Patch panel for plug-in modules			R	
B	Plug-in module with 6 duplex LC-APC midcouplers			R	
C	Plug-in module with one MTP connector (12 strand G655D) and fan-out to 6 duplex LC-APC midcouplers			R	
D	Plug-in module with one MTP connector (12 strand G657A1) and fan-out to 6 duplex LC-APC midcouplers			R	
E	Plug-in module with one MTP connector (24 strand G655D) and fan-out to 12 duplex LC-APC midcouplers			R	
F	Plug-in module with one MTP connector (24 strand G657A1) and fan-out to 12 duplex LC-APC midcouplers			R	
G	Plug-in module with six MTP midcouplers			R	
H	12 strand MTP/MPO G655D			R	
I	24 strand MTP/MPO G655D			R	
J	12 strand MTP/MPO G657A1			R	
K	24 strand MTP/MPO G657A1			R	
3.3	Wall-Mounted, Kiosk-Mounted and Pole-Mounted patch panels				
A	Wall-Mounted 12-fibre panel with G655D pigtails, 6 duplex LC-APC midcouplers			R	

TENDER NO: 299G/2023/24

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B	Wall-Mounted 12-fibre panel with G657A1 pigtails, 6 duplex LC-APC midcouplers			R	
C	Wall-Mounted 24-fibre panel with G655D pigtails, 12 duplex LC-APC midcouplers			R	
D	Wall-Mounted 24-fibre panel with G657A1 pigtails, 12 duplex LC-APC midcouplers			R	
E	Wall-Mounted 48-fibre panel with G655D pigtails, 24 duplex LC-APC midcouplers			R	
F	Wall-Mounted 48-fibre panel with G657A1 pigtails, 24 duplex LC-APC midcouplers			R	
G	Wall-Mounted 12-fibre panel with G.652 pigtails, 6 duplex SC-APC midcouplers			R	
H	Wall-Mounted 24-fibre panel with G.652 pigtails, 12 duplex SC-APC midcouplers			R	
I	Wall-Mounted 48-fibre panel with G.652 pigtails, 24 duplex SC-APC midcouplers			R	
J	Kiosk mounted 4- fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 duplex LC-APC			R	
K	Kiosk mounted 8-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 duplex LC-APC			R	
L	Kiosk mounted 12-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 duplex LC-APC			R	
M	Kiosk mounted 24-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 duplex LC-APC			R	
N	Kiosk mounted 4- fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 simplex SC-APC			R	
O	Kiosk mounted 8-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 simplex SC-APC			R	
P	Kiosk mounted 12-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 simplex SC-APC			R	
Q	Kiosk mounted 24-fibre DIN-rail -mounted patch panels with G657A1 pigtails, 12 simplex SC-APC			R	
R	Pole Mounted - Acrylonitrile butadiene styrene (ABS)			R	

TENDER NO: 299G/2023/24

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S	Pole Mounted – Stainless Steel			R	
3.4	19" Optical Patch Lead Slack Panels				
A	1u Patch Lead Slack Panel - front mount			R	
B	2u Patch Lead Slack Panel - front mount			R	
4	DOME ENCLOSURES & BARRIER/TRENCH TAPE				
4.1	Splicing Dome Enclosures				
A	Core Dome			R	
B	Access Dome			R	
C	Split inline Dome			R	
D	Flexible Transition Tube – Inline Enclosure (5/8mm 6-Way)			R	
4.2	Barrier-Danger/Trench Tape				
A	Danger/Barrier Tape			R	
B	Trench Tape			R	

TENDER NO: 299G/2023/24

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5	OPTICAL DISTRIBUTION FRAMES (ODF)				
5.1	ODF Accessories				
A	ODF Frame: 2200mm x 1200mm x 300mm (H x W x D), top and bottom entry variants			R	
B	ODF Frame: 1800mm x 1200mm x 300mm (H x W x D), top and bottom entry variants			R	
C	ODF Central Section Door: 2200mm, 600mm (H x W)			R	
D	ODF Central Section Door: 1800mm, 600mm (H x W)			R	
E	Top Cover for 600mm central section: 600mm x 300mm (W x D)			R	
F	Storage Panel with Bobbins: 2200mm x 300mm x 300mm (H x W X D) top and bottom entry variants			R	
G	Storage Panel with Bobbins: 1800mm x 300mm x 300mm (H x W X D) top and bottom entry variants			R	
H	Storage Panel door: 2200mm x 300mm (H x W)			R	
I	Storage Panel door: 1800mm x 300mm (H x W)			R	
J	Cable Breakout management - 12F			R	
K	ODF Frame: 2200mm x 1050mm x 300mm (H x W x D), top and bottom entry variants			R	
L	ODF Frame: 1800mm x 1050mm x 300mm (H x W x D), top and bottom entry variants			R	
M	Storage Panels with Bobbins: 2200mm x 150mm x 300mm (H x W X D) top and bottom entry variants			R	
N	Storage Panels with Bobbins: 1800mm x 150mm x 300mm (H x W X D) top and bottom entry variants			R	
O	Storage Panel door: 2200mm x 150mm (H x W)			R	
P	Storage Panel door: 1800mm x 150mm (H x W)			R	

TENDER NO: 299G/2023/24

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Q	1U 72 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 36 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
R	1U 72 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 36 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
S	1U 96 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 48 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
T	1U 96 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 48 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
U	2U 144 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 72 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
V	2U 144 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 72 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
W	2U 192 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 72 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
X	2U 192 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 72 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
Y	3U 216 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 144 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
Z	3U 216 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 144 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	

TENDER NO: 299G/2023/24

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A1	3U 288 FO LC/APC ODF Splice-Patch , Pre-terminated with G655D pigtails & 144 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
B1	3U 288 FO LC/APC ODF Splice-Patch , Pre-terminated with G657A1 pigtails & 144 duplex LC/APC mid-couplers, Cable entry Left and Right (colour code-A)			R	
C1	2U 96 FO SC/APC ODF Splice-Patch , Pre-terminated with G.652 pigtails & 48 duplex SC/APC mid-couplers, Cable entry Left and Right (colour code-B)			R	
D1	2U 144 FO SC/APC ODF Splice-Patch , Pre-terminated with G.652 pigtails & 72 duplex SC/APC mid-couplers, Cable entry Left and Right (colour code-B)			R	
E1	1U 72 FO LC/APC ODF Patch-Patch , 36 duplex LC/APC mid-couplers, Left and Right Pivot			R	
F1	1U 48 FO LC/APC ODF Patch-Patch , 24 duplex LC/APC mid-couplers, Pull out tray			R	
6	OPTICAL TUBE CONNECTORS AND OPTIC FIBRE DUCTS				
6.1	Blown Fibre Tube Connectors				
A	Tube Coupler - Mini-Ducts (10/12mm)			R	
B	Tube Endcap - Mini-Ducts (10/12mm)			R	
C	Tube Gas-Blocker for 6mm cable - Mini-Ducts (10/12mm)			R	
D	Tube Coupler - Mini-Ducts (10/14mm)			R	
E	Tube Endcap - Mini-Ducts (10/14mm)			R	
F	Tube Gas-Blocker for 6mm cable - Mini-Ducts (10/14mm)			R	
G	Tube Reducer Coupler: 10/14mm to 10/12mm			R	

TENDER NO: 299G/2023/24

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H	Tube Coupler - Micro-Ducts (5/8mm)			R	
I	Tube Endcap - Micro-Ducts (5/8mm)			R	
J	Tube Gas-Blocker for 2.4mm cable - Micro-Ducts (5/8mm)			R	
K	Tube Reducer Coupler: 5/8mm to 3.5/5mm			R	
6.2	Ducts				
A	2-Way - Direct Buried Ducts 5/8mm (HDPE)			R	
B	12-Way - Direct Buried Ducts 5/8mm (HDPE)			R	
C	2-Way - Direct Install Ducts 5/8mm (MDPE)			R	
D	12-Way - Direct Install Ducts 5/8mm (MDPE)			R	
E	2-Way - Direct Buried Ducts 10/14mm			R	
F	4-Way - Direct Buried Ducts 10/14mm			R	
G	7-Way - Direct Buried Ducts 10/14mm			R	
H	2-Way - Direct Install Ducts 10/12mm			R	
I	4-Way - Direct Install Ducts 10/12mm			R	
J	7-Way (1.2mm outer sheeth) - Direct Install Ducts 10/12mm			R	
K	7-Way (0.6mm outer sheeth) - Direct Install Ducts 10/12mm			R	
L	110mm direct buried HDPE Duct (SABS)			R	
M	160mm direct buried HDPE Duct (SABS)			R	
N	Stainless Steel 110mm Slow Bend			R	
O	Duct Coupler with rubber seal for 110mm ducts			R	

TENDER NO: 299G/2023/24

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P	32 mm HDPE compression fitting/s			R	
Q	40 mm HDPE compression fitting/s			R	
R	32mm HDPE duct - 100m rolls - Yellow			R	
S	32mm HDPE duct - 100m rolls – Red			R	
T	32mm HDPE duct - 100m rolls – Orange			R	
U	32mm HDPE duct - 100m rolls – Green			R	
V	32mm HDPE duct - 100m rolls – White			R	
W	32mm HDPE duct - 100m rolls – Blue			R	
X	40mm HDPE duct - 100m rolls – Yellow			R	
7	MANHOLE FRAMES AND COVERS				
7.1	Frames and Covers and Locks/Key				
A	Ductile Iron (D400) (SABS)			R	
B	2A Polymer Standard/Roadway (SABS)			R	
C	2A Polymer pavement (SABS)			R	
D	Manhole Cover Lock TP2			R	
E	Manhole Cover Lock TP3			R	
F	Manhole key TP type			R	

TENDER NO: 299G/2023/24

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7.2	Pre-Fabricated Glass Fibre Reinforced Manholes				
A	600mm Diameter, 800mm Depth (SABS)			R	
B	800mm Diameter, 800mm Depth (SABS)			R	
C	1000mm Diameter, 1000mm Depth (SABS)			R	
D	1200mm Diameter, 1200mm Depth (SABS)			R	
7.3	Manhole (Modular)				
A	Manhole Frame, Cover and Base 400mm			R	
B	Manhole Frame, Cover and Base 600mm			R	
C	Manhole Frame, Cover and Base 900mm			R	
8	FIBRE TEST EQUIPMENT, AND TOOLS & ACCESSORIES				
8.1	Fibre Test Tools				
A	Ruggedised Optical Time Domain Reflectometer (OTDR)			R	
B	Ruggedised Power Meter			R	
C	Connector Inspector (LC/SC)			R	
D	Visual Fault Locator (pen type-LC)			R	
E	1310/1550nm Light Source (LC)			R	

TENDER NO: 299G/2023/24

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8.2	Tools and Accessories				
A	Gas Detector			R	
B	Portable Label Printer			R	
C	Printer cartridge (black on yellow, UV and waterproof)			R	
D	Label holders			R	
E	OTDR Launch Leads/ G655D – 500m			R	
F	OTDR Launch Leads/G657A1 – 500m			R	
G	LC Optical Connector Cleaner			R	
H	LC Mid-Coupler Ferrule Cleaner			R	
I	MTP/ MPO Optical Connector Cleaner			R	
J	Boundary Box Type 1			R	
K	Boundary Box Type 2			R	
L	7 Way Connector Box			R	
M	Galvanised slack brackets			R	
N	SC Optical Connector Cleaner			R	
O	SC Mid-Coupler Ferrule Cleaner			R	
P	ST Optical Connector Cleaner			R	
Q	ST Mid-Coupler Ferrule Cleaner			R	
R	Slack Boxes			R	
S	EMS Ball Marker 1421-XR/iD			R	