



Mobile Networks

Draka - Your Reliable Partner





Draka is one of the leading cable manufacturers in the world today. Draka companies are engaged in the development, production and sales of cables and cable systems worldwide. Based on our long experience and expertise in cable manufacturing, we are today one of the most reliable cable suppliers.

We are committed to offering our customers a technically advanced product portfolio and competent service. An essential part of our philosophy is to implement constant improvements and to develop new products and services to provide value for our customers on a sustainable basis.

Draka is a guarantee of outstanding performance in all relevant circumstances.

You will find more information about Draka at www.draka.com.



Mobile Network Cable Products



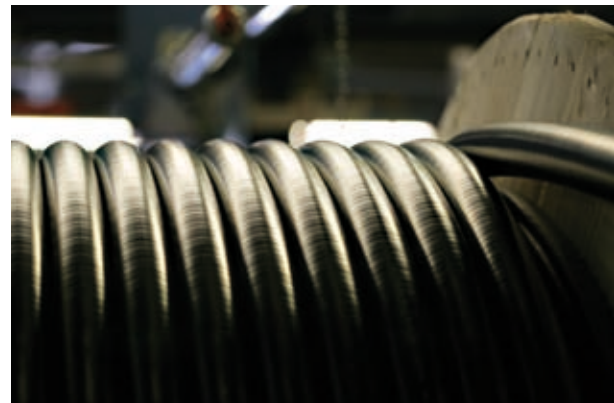


Draka offers a wide range of products with guaranteed compatibility and reliability for mobile networks. In this catalogue you will find Mobile Network Cable products: feeder cables, coaxial antennas, superflexible cables and jumpers. Accessories are presented at the end of the catalogue.

Our production facilities located in Finland and China are equipped with modern production lines, and we can provide products from leading connector and accessory manufacturers through our extensive partner network. To ensure prompt deliveries, we have established our own distribution centers in different parts of the world. Flexible customer service is one of our strengths and our extensive resale network serves our customers locally worldwide.

Draka feeder cables, flexible cables and coaxial antennas have outstanding performance in mobile telecommunication applications, such as GSM, WCDMA (UMTS), TDMA, D-AMPS, PCN, CDMA and TETRA. They are also used in some other applications e.g. WiMAX and broadcasting. Our cables have been designed to transmit signal power between the transmission equipment and the antenna even in most demanding environmental conditions and thus meet the highest technical and environmental standards.

All of our cables are halogen free and non corrosive. They are available in standard polyethylene jacket and in fire retardant, low smoke emission jacket in black (BHF) or grey (GHF). Our cables and jumpers comply with the European Union RoHS directive (Restriction of Hazardous Substances).





Feeder Cables

Our feeder cable family, RFA, has been designed to meet the highest technical standards. Enhanced electrical values, uniform impedance and low attenuation at high frequencies make RFA an optimal choice for all applications including UMTS and WiMAX. Our RFA cables are compatible with standard connectors and accessories.

RFA cables' unique two layer jacketing with harder HDPE surface and softer LDPE inside gives the cable best protection in all installation environments without losing flexibility. In our cables, the foam dielectric has an extremely high degree of expansion and a special skin layer for extra protection.

Draka 50 Ohm Radio Frequency Cables

FEEDER CABLES						
Type	Product code	Inner conductor diam. mm (in)	Outer conductor diam. mm (in)	Jacket diam. mm (in)	Standard length m (ft)	Standard drum type
RFA 1/4"-50	NKRFA01400	2.4 (0.09)	7.5 (0.3)	10.0 (0.39)	500 (1640)	P6D
RFA 3/8"-50	NKRFA03800	3.1 (0.12)	9.5 (0.37)	11.2 (0.44)	250 (820)	P6D
RFA 1/2"-50	NKRFA01200	4.8 (0.19)	13.9 (0.55)	16.0 (0.63)	500 (1640)	P11D
RFA 7/8"-50	NKRFA07800	9.4 (0.37)	25.4 (1.00)	27.8 (1.09)	500 (1640)	P13G
RFA 7/8"-50 AL	NKRFA07800	9.4 (0.37)	25.4 (1.00)	28.0 (1.10)	500 (1640)	P13G
RFA 1 1/4"-50	NKRFA11400	13.0 (0.51)	35.8 (1.41)	39.0 (1.54)	600 (1968)	P20G
RFA 1 5/8"-50	NKRFA15800	17.6 (0.69)	46.3 (1.82)	50.0 (1.97)	400 (1312)	P20G
RFA 1 5/8"-50 AL	NKRFA15800	17.5 (0.69)	46.5 (1.83)	50.0 (1.97)	400 (1312)	P20G
RFA 2 1/4"-50	NKRFA21400	21.2 (0.83)	55.9 (2.20)	60.0 (2.36)	300 (984)	P21Q



Feeder cable

RFA 1/4"-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 1/4"-50	NKRFA01400
RFA 1/4"-50 GHF	NKRFA01401
RFA 1/4"-50 BHF	NKRFA01402
RFA 1/4"-50 BHF (UL) CATVR	NKRFA01404

CONSTRUCTION

Inner conductor	Copper-clad aluminium wire	Ø 2.4 mm	(0.09 in)
Dielectric	Cellular polyethylene	Ø 6.0 mm	(0.24 in)
Outer conductor	Corrugated copper tube	Ø 7.5 mm	(0.3 in)
Jacket	See Jacketing Options table below	Ø 10.0 mm	(0.39 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.83
Capacitance	80 pF/m (24 pF/ft)
Maximum frequency	16 000 MHz
Max power rating	See table
Peak RF voltage rating	1.04 kV
Peak power rating	11.6 kW
DC-resistance	
• Inner conductor	5.55 Ω/km (1.69 Ω/1000ft)
• Outer conductor	4.11 Ω/km (1.25 Ω/1000ft)

JACKETING OPTIONS							
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	UL Rated	Min. installation temperature
RFA 1/4"-50	Black, halogen free polyethylene	yes	no	no	yes	no	-40°C (-40°F)
RFA 1/4"-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	no	-20°C (-4°F)
RFA 1/4"-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	no	-20°C (-4°F)
RFA 1/4"-50 BHF (UL) CATVR	Black, halogen free fire retardant UL Riser rated jacket	yes	yes	yes	yes	yes	-20°C (-4°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	1.31	(0.399)	5.5
30	2.28	(0.694)	3.2
50	2.95	(0.899)	2.5
88	3.93	(1.20)	1.8
100	4.19	(1.28)	1.7
108	4.36	(1.33)	1.7
150	5.16	(1.57)	1.4
174	5.56	(1.70)	1.3
200	5.98	(1.82)	1.2
300	7.36	(2.24)	1.0
400	8.54	(2.60)	0.85
450	9.08	(2.77)	0.80
500	9.59	(2.92)	0.75
512	9.71	(2.96)	0.74
600	10.5	(3.21)	0.69
700	11.4	(3.48)	0.63
800	12.3	(3.74)	0.59
850	12.7	(3.86)	0.57
890	13.0	(3.95)	0.56
900	13.0	(3.98)	0.55
950	13.4	(4.09)	0.54
960	13.5	(4.11)	0.54
1000	13.8	(4.20)	0.52
1200	15.2	(4.63)	0.48
1400	16.5	(5.02)	0.44
1600	17.7	(5.39)	0.41
1800	18.8	(5.75)	0.38
1900	19.4	(5.91)	0.37
2000	19.9	(6.08)	0.36
2200	21.0	(6.40)	0.34
2400	22.0	(6.71)	0.33
2600	23.0	(7.01)	0.32
2800	23.9	(7.30)	0.30
3000	24.9	(7.58)	0.29
3400	26.6	(8.11)	0.27
6000	36.5	(11.1)	0.20
8000	43.0	(13.1)	0.17
10000	48.9	(14.9)	0.15
12000	54.3	(16.6)	0.14
16000	64.4	(19.6)	0.11

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.12 kg/m	(0.08 lb/ft)
Maximum pulling force	790 N	(177 lb)
Minimum bending radius		
• Single bending	40 mm	(1.6 in)
• Repeated bending	100 mm	(3.9 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	1.9 kg/mm	(106 lb/in)
Bending moment	1.8 Nm	(1.3 lb-ft)
Recommended clamp spacing	0.6 m	(2 ft)

STANDARD DRUM

Cable type	Drum	Standard length m (ft)	Outer diam. (D) cm (in)	Outer width (W) cm (in)	Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
RFA 1/4"	P6D	500 (1640)	63 (25)	51 (20)	13 (29)	83 (116)	0.20 (7.06)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1014100
N male	NKC1014300
N female	NKC1014400
N male Right angle	NKC1014600



Feeder cable

RFA 3/8''-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 3/8''-50	NKRFA03800
RFA 3/8''-50 GHF	NKRFA03801
RFA 3/8''-50 BHF	NKRFA03802
RFA 3/8''-50 BHF (UL) CATVR	NKRFA03804

CONSTRUCTION

Inner conductor	Copper-clad aluminium wire	Ø 3.1 mm	(0.12 in)
Dielectric	Cellular polyethylene	Ø 8.0 mm	(0.32 in)
Outer conductor	Corrugated copper tube	Ø 9.5 mm	(0.37 in)
Jacket	See Jacketing Options table below	Ø 11.2 mm	(0.44 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.86
Capacitance	78 pF/m (24 pF/ft)
Maximum frequency	14 000 MHz
Max power rating	See table
Peak RF voltage rating	1.2 kV
Peak power rating	16.1 kW
DC-resistance	
• Inner conductor	3.6 Ω/km (1.10 Ω/1000ft)
• Outer conductor	3.1 Ω/km (0.94 Ω/1000ft)

JACKETING OPTIONS							
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	UL Rated	Min. installation temperature
RFA 3/8''-50	Black, halogen free polyethylene	yes	no	no	yes	no	-40°C (-40°F)
RFA 3/8''-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	no	-20°C (-4°F)
RFA 3/8''-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	no	-20°C (-4°F)
RFA 3/8''-50 BHF (UL) CATVR	Black, halogen free fire retardant UL Riser rated jacket	yes	yes	yes	yes	yes	-20°C (-4°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	1.02	(0.31)	6.8
30	1.78	(0.54)	3.9
50	2.31	(0.70)	3.0
88	3.08	(0.94)	2.2
100	3.29	(1.00)	2.1
108	3.42	(1.04)	2.0
174	4.37	(1.33)	1.6
200	4.70	(1.43)	1.5
300	5.79	(1.77)	1.2
400	6.73	(2.05)	1.0
450	7.16	(2.18)	0.97
500	7.57	(2.31)	0.92
512	7.67	(2.34)	0.90
600	8.34	(2.54)	0.83
700	9.04	(2.76)	0.77
800	9.71	(2.96)	0.71
850	10.0	(3.06)	0.69
890	10.3	(3.13)	0.67
900	10.3	(3.15)	0.67
950	10.6	(3.24)	0.65
960	10.7	(3.26)	0.65
1000	10.9	(3.34)	0.63
1200	12.1	(3.68)	0.57
1400	13.1	(4.00)	0.53
1600	14.1	(4.30)	0.49
1800	15.0	(4.59)	0.46
1900	15.5	(4.72)	0.45
2000	15.9	(4.86)	0.43
2200	16.8	(5.12)	0.41
2400	17.6	(5.37)	0.39
2600	18.4	(5.62)	0.38
2800	19.2	(5.86)	0.36
3000	20.0	(6.09)	0.35
3400	21.4	(6.53)	0.32
6000	29.6	(9.04)	0.24
13500	48.1	(14.7)	0.15

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.13 kg/m	(0.08 lb/ft)
Maximum pulling force	1650 N	(363 lb)
Minimum bending radius		
• Single bending	50 mm	(1.9 in)
• Repeated bending	95 mm	(3.7 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	2.0 kg/mm	(110 lb/in)
Bending moment	2.1 Nm	(1.5 lb-ft)
Recommended clamp spacing	1.0 m	(3.3 ft)

STANDARD DRUM

Cable type	Drum	Standard length	Outer diam. (D)	Outer width (W)	Drum weight (empty)	Total weight	Drum freight volume
		m (ft)	cm (in)	cm (in)	kg (lb)	kg (lb)	m ³ (cu.ft)
RFA 3/8"	P6D	250 (820)	63 (25)	51 (20)	13 (29)	55 (117)	0.20 (7.06)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1038100
7-16 female	NKC1038200
N male	NKC1038300
N female	NKC1038400



Feeder cable

RFA 1/2''-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 1/2''-50	NKRFA01200
RFA 1/2''-50 GHF	NKRFA01201
RFA 1/2''-50 BHF	NKRFA01202
RFA 1/2''-50 BHF (UL) CATVR	NKRFA01204

CONSTRUCTION

Inner conductor	Copper-clad aluminium wire	Ø 4.8 mm	(0.19 in)
Dielectric	Cellular polyethylene	Ø 12.1 mm	(0.48 in)
Outer conductor	Corrugated copper tube	Ø 13.9 mm	(0.55 in)
Jacket	See Jacketing Options table below	Ø 16.0 mm	(0.63 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
• 3400-3600 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.88
Capacitance	76 pF/m (23pF/ft)
Maximum frequency	9800 MHz
Max power rating	See table
Peak RF voltage rating	1.80 kV
Peak power rating	31.8 kW
DC-resistance	
• Inner conductor	1.44 Ω/km (0.44 Ω /1000ft)
• Outer conductor	2.24 Ω/km (0.68 Ω /1000ft)

JACKETING OPTIONS							
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	UL Rated	Min. installation temperature
RFA 1/2''-50	Black, halogen free polyethylene	yes	no	no	yes	no	-40°C (-40°F)
RFA 1/2''-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	no	-20°C (-4°F)
RFA 1/2''-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	no	-20°C (-4°F)
RFA 1/2''-50 BHF (UL) CATVR	Black, halogen free fire retardant UL Riser rated jacket	yes	yes	yes	yes	yes	-20°C (-4°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.665	(0.203)	12
30	1.16	(0.354)	6.9
50	1.51	(0.459)	5.3
88	2.01	(0.613)	4.0
100	2.15	(0.655)	3.7
108	2.24	(0.682)	3.6
174	2.86	(0.873)	2.8
200	3.08	(0.938)	2.6
300	3.81	(1.16)	2.1
400	4.43	(1.35)	1.8
450	4.72	(1.44)	1.7
500	4.99	(1.52)	1.6
512	5.06	(1.54)	1.6
600	5.50	(1.68)	1.4
700	5.98	(1.82)	1.3
800	6.43	(1.96)	1.2
850	6.64	(2.03)	1.2
890	6.81	(2.08)	1.2
900	6.85	(2.09)	1.2
950	7.06	(2.15)	1.1
960	7.10	(2.16)	1.1
1000	7.26	(2.21)	1.1
1200	8.02	(2.45)	0.98
1400	8.74	(2.66)	0.90
1600	9.41	(2.87)	0.83
1800	10.0	(3.06)	0.78
1900	10.4	(3.16)	0.76
2000	10.7	(3.25)	0.74
2200	11.3	(3.43)	0.70
2400	11.8	(3.60)	0.66
2600	12.4	(3.77)	0.63
2800	12.9	(3.94)	0.61
3000	13.4	(4.09)	0.58
3400	14.4	(4.40)	0.54
6000	20.2	(6.15)	0.39
8800	25.5	(7.77)	0.31

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.23 kg/m	(0.15 lb/ft)
Maximum pulling force	2550 N	(562 lb)
Minimum bending radius		
• Single bending	70 mm	(2.8 in)
• Repeated bending	120 mm	(4.7 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	2.0 kg/mm	(110 lb/in)
Bending moment	3.8 Nm	(2.8 lb-ft)
Recommended clamp spacing	1.0 m	(3.3 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)			
RFA 1/2"	P11D	500	(1640)	114	(45)	51	(20)	45 (99)	176 (379)	0.66 (23.31)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1012100
7-16 female	NKC1012200
N male	NKC1012300
N female	NKC1012400
7-16 male Right angle	NKC1012500
N male Right angle	NKC1012600



Feeder cable

RFA 7/8''-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 7/8''-50	NKRFA07800
RFA 7/8''-50 GHF	NKRFA07801
RFA 7/8''-50 BHF	NKRFA07802
RFA 7/8''-50 BHF (UL) CATVR	NKRFA07804

CONSTRUCTION

Inner conductor	Copper tube	Ø 9.4 mm	(0.37 in)
Dielectric	Cellular polyethylene	Ø 22.5 mm	(0.89 in)
Outer conductor	Corrugated copper tube	Ø 25.4 mm	(1.00 in)
Jacket	See Jacketing Options table below	Ø 28.0 mm	(1.10 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
• 3400-3600 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.90
Capacitance	74.2 pF/m (22.6 pF/ft)
Maximum frequency	5100 MHz
Max power rating	See table
Peak RF voltage rating	3.3 kV
Peak power rating	92.0 kW
DC-resistance	
• Inner conductor	1.28 Ω/km (0.39 Ω/1000 ft)
• Outer conductor	1.15 Ω/km (0.35 Ω/1000 ft)

JACKETING OPTIONS							
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	UL Rated	Min. installation temperature
RFA 7/8''-50	Black, halogen free polyethylene (LDPE with HDPE skin)	yes	no	no	yes	no	-40°C (-40°F)
RFA 7/8''-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	no	-20°C (-4°F)
RFA 7/8''-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	no	-20°C (-4°F)
RFA 7/8''-50 BHF (UL) CATVR	Black, halogen free fire retardant UL Riser rated jacket	yes	yes	yes	yes	yes	-20°C (-4°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.346	(0.105)	27
30	0.603	(0.184)	16
50	0.782	(0.238)	12
88	1.04	(0.318)	8.9
100	1.12	(0.340)	8.4
108	1.16	(0.354)	8.0
174	1.48	(0.452)	6.3
200	1.60	(0.486)	5.8
300	1.97	(0.601)	4.7
400	2.29	(0.699)	4.0
450	2.44	(0.744)	3.8
500	2.58	(0.787)	3.6
512	2.61	(0.797)	3.5
600	2.84	(0.867)	3.2
700	3.09	(0.942)	3.0
800	3.32	(1.01)	2.8
850	3.43	(1.05)	2.7
890	3.52	(1.07)	2.6
900	3.54	(1.08)	2.6
950	3.64	(1.11)	2.5
960	3.66	(1.12)	2.5
1000	3.74	(1.14)	2.5
1200	4.14	(1.26)	2.2
1400	4.50	(1.37)	2.0
1600	4.84	(1.48)	1.9
1800	5.17	(1.58)	1.8
1900	5.33	(1.62)	1.7
2000	5.48	(1.67)	1.7
2200	5.78	(1.76)	1.6
2400	6.07	(1.85)	1.5
2600	6.35	(1.94)	1.4
2800	6.63	(2.02)	1.4
3000	6.89	(2.10)	1.3
3400	7.40	(2.26)	1.2
3500	7.53	(2.29)	1.2
3600	7.65	(2.33)	1.2
4000	8.13	(2.48)	1.1
5000	9.26	(2.82)	0.97

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.45 kg/m	(0.30 lb/ft)
Maximum pulling force	2500 N	(562 lb)
Minimum bending radius		
• Single bending	120 mm	(4.7 in)
• Repeated bending	240 mm	(9.4 in)
Operating temperature range	-55...+85°C	(-67...+185°F)
Crush resistance	1.6 kg/mm	(90 lb/in)
Bending moment	15.0 Nm	(11 lb-ft)
Recommended clamp spacing	1.0 m	(3.3 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)			
RFA 7/8"	P13G	500	(1640)	134	(52)	70	(28)	69 (152)	343 (760)	1.26 (44.50)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1078100
7-16 female	NKC1078200
7-16 Bulkhead female	NKC1078290
N male	NKC1078300
N female	NKC1078400
7-16 male Right angle	NKC1078500



Feeder cable

RFA 7/8''-50 AL

Specifications

COAXIAL CABLE	
Type	Code
RFA 7/8''-50 AL	NKRFAL07800
RFA 7/8''-50 AL GHF	NKRFAL07801
RFA 7/8''-50 AL BHF	NKRFAL07802
RFA 7/8''-50 AL BHF (UL) CATVR	NKRFAL07804

CONSTRUCTION

Inner conductor	Copper tube	Ø 9.4 mm	(0.37 in)
Dielectric	Cellular polyethylene	Ø 22.4 mm	(0.88 in)
Outer conductor	Corrugated aluminium tube	Ø 25.4 mm	(1.00 in)
Jacket	See Jacketing Options table below	Ø 28.0 mm	(1.10 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
• 3400-3600 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.90
Capacitance	73.5 pF/m (22.4 pF/ft)
Maximum frequency	5100 MHz
Max power rating	See table
Peak RF voltage rating	3.2 kV
Peak power rating	91.0 kW
DC-resistance	
• Inner conductor	1.30 Ω/km (0.40 Ω/1000 ft)
• Outer conductor	1.26 Ω/km (0.38 Ω/1000 ft)

JACKETING OPTIONS							
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	UL Rated	Min. installation temperature
RFA 7/8''-50 AL	Black, halogen free polyethylene (LDPE with HDPE skin)	yes	no	no	yes	no	-40°C (-40°F)
RFA 7/8''-50 AL GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	no	-20°C (-4°F)
RFA 7/8''-50 AL BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	no	-20°C (-4°F)
RFA 7/8''-50 AL BHF (UL) CATVR	Black, halogen free fire retardant UL Riser rated jacket	yes	yes	yes	yes	yes	-20°C (-4°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.380	(0.116)	26
30	0.662	(0.202)	15
50	0.859	(0.262)	11
88	1.15	(0.350)	8.6
100	1.23	(0.373)	8.1
108	1.27	(0.388)	7.7
174	1.63	(0.497)	6.1
200	1.75	(0.534)	5.6
300	2.17	(0.660)	4.5
400	2.52	(0.768)	3.9
450	2.68	(0.818)	3.7
500	2.84	(0.865)	3.5
512	2.87	(0.876)	3.4
600	3.13	(0.953)	3.1
700	3.40	(1.04)	2.9
800	3.65	(1.11)	2.7
850	3.77	(1.15)	2.6
890	3.87	(1.18)	2.5
900	3.89	(1.19)	2.5
950	4.01	(1.22)	2.4
960	4.03	(1.23)	2.4
1000	4.12	(1.26)	2.4
1200	4.55	(1.39)	2.1
1400	4.95	(1.51)	2.0
1600	5.33	(1.62)	1.8
1800	5.69	(1.73)	1.7
1900	5.86	(1.79)	1.7
2000	6.03	(1.84)	1.6
2200	6.36	(1.94)	1.5
2400	6.68	(2.04)	1.5
2600	6.99	(2.13)	1.4
2800	7.29	(2.22)	1.3
3000	7.59	(2.31)	1.3
3400	8.15	(2.48)	1.2
3500	8.29	(2.53)	1.2
3600	8.42	(2.57)	1.2
4000	8.95	(2.73)	1.1
5000	10.2	(3.11)	0.9

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.37 kg/m	(0.25 lb/ft)
Maximum pulling force	1500 N	(331 lb)
Minimum bending radius		
• Single bending	120 mm	(4.7 in)
• Repeated bending	240 mm	(9.4 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	1.1 kg/mm	(62 lb/in)
Bending moment	18.0 Nm	(13 lb-ft)
Recommended clamp spacing	1.0 m	(3.3 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty)		Total weight		Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)	kg	(lb)	kg	(lb)	
RFA 7/8" AL	P13G	500	(1640)	134	(52)	70	(28)	69	(152)	285	(630)	1.26 (44.50)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1078100
7-16 female	NKC1078200
N male	NKC1078300
N female	NKC1078400



Feeder cable

RFA 1 1/4''-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 1 1/4''-50	NKRFA11400
RFA 1 1/4''-50 GHF	NKRFA11401
RFA 1 1/4''-50 BHF	NKRFA11402

CONSTRUCTION

Inner conductor	Copper tube	Ø 13.0 mm	(0.51 in)
Dielectric	Cellular polyethylene	Ø 32.2 mm	(1.27 in)
Outer conductor	Corrugated copper tube	Ø 35.8 mm	(1.41 in)
Jacket	See Jacketing Options table below	Ø 39.0 mm	(1.54 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance 50 ± 1 Ω

Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:

- 380-500 MHz
- 806-960 MHz
- 1710-1880 MHz
- 1900-2170 MHz

Other bands also available on request

Bands according to customer's specifications

Attenuation	See attenuation table
Velocity factor	0.88
Capacitance	75 pF/m (23 pF/ft)
Maximum frequency	3500 MHz
Max power rating	See table
Peak RF voltage rating	4.6 kV
Peak power rating	211.2 kW

DC-resistance

- Inner conductor 0.74 Ω/km (0.22 Ω/1000 ft)
- Outer conductor 0.65 Ω/km (0.22 Ω/1000 ft)

JACKETING OPTIONS

Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	Min. installation temperature
RFA 1 1/4''-50	Black, halogen free polyethylene (LDPE with HDPE skin)	yes	no	no	yes	-40°C (-40°F)
RFA 1 1/4''-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (+23°F)
RFA 1 1/4''-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (+23°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.250	(0.076)	41
30	0.439	(0.134)	23
50	0.571	(0.174)	18
88	0.766	(0.234)	13
100	0.819	(0.250)	12
108	0.853	(0.260)	12
174	1.10	(0.335)	9.2
200	1.18	(0.360)	8.6
300	1.47	(0.448)	6.8
400	1.72	(0.524)	5.8
450	1.83	(0.559)	5.5
500	1.94	(0.593)	5.2
512	1.97	(0.600)	5.1
600	2.15	(0.656)	4.7
700	2.34	(0.714)	4.3
800	2.53	(0.770)	3.9
850	2.62	(0.797)	3.8
890	2.68	(0.818)	3.7
900	2.70	(0.823)	3.7
950	2.79	(0.849)	3.6
960	2.80	(0.854)	3.6
1000	2.87	(0.874)	3.5
1200	3.18	(0.970)	3.1
1400	3.48	(1.06)	2.9
1600	3.76	(1.15)	2.6
1800	4.03	(1.23)	2.5
1900	4.17	(1.27)	2.4
2000	4.29	(1.31)	2.3
2200	4.54	(1.39)	2.2
2400	4.79	(1.46)	2.1
2600	5.03	(1.53)	1.0
2800	5.26	(1.60)	1.9
3000	5.48	(1.67)	1.8
3300	5.81	(1.77)	1.7

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.89 kg/m	(0.60 lb/ft)
Maximum pulling force	6050 N	(1340 lb)
Minimum bending radius		
• Single bending	200 mm	(8 in)
• Repeated bending	350 mm	(14 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	2.6 kg/mm	(146 lb/in)
Bending moment	48.7 Nm	(35.9 lb-ft)
Recommended clamp spacing	1.5 m	(5 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)			
RFA 1 1/4"	P20G	600	(1968)	204	(80)	70	(28)	155 (342)	735 (1621)	3.08 (108.76)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1114100
7-16 female	NKC1114200
7-16 Bulkhead female	NKC1114290
N male	NKC1114300
N female	NKC1114400



Feeder cable

RFA 1 5/8"-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 1 5/8"-50	NKRFA15800
RFA 1 5/8"-50 GHF	NKRFA15801
RFA 1 5/8"-50 BHF	NKRFA15802

CONSTRUCTION

Inner conductor	Corrugated copper tube	Ø 17.6 mm	(0.69 in)
Dielectric	Cellular polyethylene	Ø 42.0 mm	(1.65 in)
Outer conductor	Corrugated copper tube	Ø 46.3 mm	(1.82 in)
Jacket	See Jacketing Options table below	Ø 50.0 mm	(1.97 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.89
Capacitance	74 pF/m (22.6 pF/ft)
Maximum frequency	2800 MHz
Max power rating	See table
Peak RF voltage rating	5.7 kV
Peak power rating	314 kW
DC-resistance	
• Inner conductor	1.16 Ω/km (0.35 Ω/1000 ft)
• Outer conductor	0.43 Ω/km (0.13 Ω/1000 ft)

JACKETING OPTIONS						
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	Min. installation temperature
RFA 1 5/8"-50	Black, halogen free polyethylene (LDPE with HDPE skin)	yes	no	no	yes	-20°C (-4°F)
RFA 1 5/8"-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (+23°F)
RFA 1 5/8"-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (+23°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.196	(0.060)	55
30	0.343	(0.105)	31
50	0.447	(0.136)	24
88	0.601	(0.183)	18
100	0.643	(0.196)	17
108	0.669	(0.204)	16
174	0.863	(0.263)	12
200	0.929	(0.283)	11
300	1.16	(0.353)	9.1
400	1.36	(0.413)	7.8
450	1.45	(0.441)	7.3
500	1.54	(0.468)	6.9
512	1.56	(0.474)	6.8
600	1.70	(0.518)	6.2
700	1.85	(0.565)	5.7
800	2.00	(0.610)	5.3
850	2.07	(0.631)	5.1
890	2.13	(0.648)	5.0
900	2.14	(0.652)	4.9
950	2.21	(0.673)	4.8
960	2.22	(0.677)	4.7
1000	2.27	(0.693)	4.6
1200	2.53	(0.770)	4.2
1400	2.77	(0.843)	3.8
1600	2.99	(0.913)	3.5
1800	3.21	(0.979)	3.3
1900	3.32	(1.01)	3.2
2000	3.42	(1.04)	3.1
2200	3.63	(1.11)	2.9
2400	3.82	(1.17)	2.7
2600	4.02	(1.22)	2.6
2800	4.20	(1.28)	2.5

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	1.16 kg/m	(0.78 lb/ft)
Maximum pulling force	3900 N	(860 lb)
Minimum bending radius		
• Single bending	200 mm	(7.9 in)
• Repeated bending	400 mm	(15.7 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	3.1 kg/mm	(173 lb/in)
Bending moment	45 Nm	(33)
Recommended clamp spacing	1.5 m	(5 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty)		Total weight		Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)	kg	(lb)	kg	(lb)	
RFA 1 5/8"	P20G	400	(1312)	204	(80)	70	(28)	155	(342)	667	(1471)	3.08 (108.76)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1158100
7-16 female	NKC1158200
7-16 Bulkhead female	NKC1158290
N male	NKC1158300
N female	NKC1158400



Feeder cable

RFA 1 5/8"-50 AL

Specifications

COAXIAL CABLE	
Type	Code
RFA 1 5/8"-50 AL	NKRFAL15800
RFA 1 5/8"-50 AL GHF	NKRFAL15801
RFA 1 5/8"-50 AL BHF	NKRFAL15802

CONSTRUCTION

Inner conductor	Corrugated copper tube	Ø 17.5 mm	(0.69 in)
Dielectric	Cellular polyethylene	Ø 42.0 mm	(1.65 in)
Outer conductor	Corrugated aluminium tube	Ø 46.5 mm	(1.83 in)
Jacket	See Jacketing Options table below	Ø 50.0 mm	(1.97 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.89
Capacitance	74 pF/m (22.6 pF/ft)
Maximum frequency	2800 MHz
Max power rating	See table
Peak RF voltage rating	5.6 kV
Peak power rating	310 kW
DC-resistance	
• Inner conductor	1.2 Ω/km (0.37 Ω/1000 ft)
• Outer conductor	0.6 Ω/km (0.18 Ω/1000 ft)

JACKETING OPTIONS						
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	Min. installation temperature
RFA 1 5/8"-50 AL	Black, halogen free polyethylene (LDPE with HDPE skin)	yes	no	no	yes	-40°C (-40°F)
RFA 1 5/8"-50 AL GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (+23°F)
RFA 1 5/8"-50 AL BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (+23°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.212	(0.065)	47
30	0.372	(0.113)	27
50	0.485	(0.148)	20.5
88	0.65	(0.20)	15.3
100	0.70	(0.21)	14.3
108	0.73	(0.22)	13.7
174	0.93	(0.29)	10.6
200	1.01	(0.31)	9.8
300	1.25	(0.38)	7.8
400	1.47	(0.45)	6.7
450	1.56	(0.48)	6.2
500	1.66	(0.51)	5.9
512	1.68	(0.51)	5.8
600	1.84	(0.56)	5.3
700	2.00	(0.61)	4.8
800	2.16	(0.66)	4.5
850	2.23	(0.68)	4.3
890	2.29	(0.70)	4.2
900	2.31	(0.70)	4.2
950	2.38	(0.73)	4.0
960	2.39	(0.73)	4.0
1000	2.45	(0.75)	3.9
1200	2.72	(0.83)	3.5
1400	2.98	(0.91)	3.2
1600	3.22	(0.98)	2.9
1800	3.46	(1.05)	2.7
1900	3.57	(1.09)	2.7
2000	3.68	(1.12)	2.6
2200	3.90	(1.19)	2.4
2400	4.11	(1.25)	2.3
2600	4.31	(1.31)	2.2
2800	4.51	(1.37)	2.1

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	0.87 kg/m	(0.58 lb/ft)
Maximum pulling force	2000 N	(449 lb)
Minimum bending radius		
• Single bending	200 mm	(7.9 in)
• Repeated bending	380 mm	(15 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	1.8 kg/mm	(101 lb/in)
Bending moment	49.0 Nm	(11.2 lb-ft)
Recommended clamp spacing	1.5 m	(4.9 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)			
RFA 1 5/8" AL	P20G	400	(1312)	204	(80)	70	(28)	155 (342)	667 (1471)	3.08 (108.76)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1158100
7-16 female	NKC1158200
N male	NKC1158300
N female	NKC1158400



Feeder cable

RFA 2 1/4"-50

Specifications

COAXIAL CABLE	
Type	Code
RFA 2 1/4"-50	NKRFA21400
RFA 2 1/4"-50 GHF	NKRFA21401
RFA 2 1/4"-50 BHF	NKRFA21402

CONSTRUCTION

Inner conductor	Corrugated copper tube	Ø 21.2 mm	(0.83 in)
Dielectric	Cellular polyethylene	Ø 52.0 mm	(2.05 in)
Outer conductor	Corrugated copper tube	Ø 55.9 mm	(2.20 in)
Jacket	See Jacketing Options table below	Ø 60.0 mm	(2.36 in)
Marking	Draka, cable type, manufacture week, year, batch number and meter mark		

ELECTRICAL CHARACTERISTICS at +20°C (+ 68°F)

Characteristic impedance	50 ± 1 Ω
Return loss 24 dB for 100 m (330 ft) cable with NKC connectors for following frequency bands:	
• 380-500 MHz	
• 806-960 MHz	
• 1710-1880 MHz	
• 1900-2170 MHz	
Other bands also available on request	
Bands according to customer's specifications	
Attenuation	See attenuation table
Velocity factor	0.88
Capacitance	75 pF/m (23 pF/ft)
Maximum frequency	2300 MHz
Max power rating	See table
Peak RF voltage rating	6.6 kV
Peak power rating	449.4 kW
DC-resistance	
• Inner conductor	0.55 Ω/km (0.17 Ω /1000 ft)
• Outer conductor	0.25 Ω/km (0.08 Ω /1000 ft)

JACKETING OPTIONS						
Type	Jacket	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV Retardancy	Min. installation temperature
RFA 2 1/4"-50	Black, halogen free polyethylene	yes	no	no	yes	-20°C (-4°F)
RFA 2 1/4"-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C (23°F)
RFA 2 1/4"-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C (23°F)

ATTENUATION			
Frequency MHz	Attenuation dB/100 m	Attenuation dB/100 ft	Power rating kW
10	0.167	(0.051)	72
30	0.294	(0.090)	41
50	0.385	(0.117)	31
88	0.521	(0.159)	23
100	0.558	(0.170)	21
108	0.582	(0.177)	21
174	0.755	(0.230)	16
200	0.816	(0.249)	15
300	1.02	(0.312)	12
400	1.21	(0.368)	9.9
450	1.29	(0.394)	9.2
500	1.37	(0.419)	8.7
512	1.39	(0.425)	8.5
600	1.53	(0.466)	7.8
700	1.68	(0.511)	7.1
800	1.82	(0.553)	6.6
850	1.88	(0.574)	6.3
890	1.94	(0.590)	6.2
900	1.95	(0.594)	6.1
950	2.01	(0.614)	5.9
960	2.03	(0.618)	5.9
1000	2.08	(0.633)	5.7
1200	2.32	(0.708)	5.1
1400	2.56	(0.779)	4.7
1600	2.78	(0.848)	4.3
1800	3.00	(0.913)	4.0
1900	3.10	(0.945)	3.8
2000	3.21	(0.977)	3.7
2200	3.41	(1.04)	3.5

Attenuation values are typical at ambient temperature +20°C (+68°F). Power rating ambient temperature +40°C (+104°F), inner conductor +100°C (+212°F).

MECHANICAL CHARACTERISTICS

Weight	1.93 kg/m	(1.30 lb/ft)
Maximum pulling force	6950 N	(1550 lb)
Minimum bending radius		
• Single bending	240 mm	(9.4 in)
• Repeated bending	500 mm	(19.7 in)
Operating temperature range	-55...+80°C	(-67...+176°F)
Crush resistance	3.5 kg/mm	(196 lb/in)
Bending moment	94.5 Nm	(70 lb-ft)
Recommended clamp spacing	1.5 m	(5 ft)

STANDARD DRUM

Cable type	Drum	Standard length		Outer diam. (D)		Outer width (W)		Drum weight (empty) kg (lb)	Total weight kg (lb)	Drum freight volume m ³ (cu.ft)
		m	(ft)	cm	(in)	cm	(in)			
RFA 2 1/4"	P21Q	300	(984)	214	(84)	105	(41)	218 (481)	884 (1952)	5.40 (190.68)

CODES FOR NKC CONNECTORS

Connector type	Code
7-16 male	NKC1214100
7-16 female	NKC1214200
N male	NKC1214300
N female	NKC1214400



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