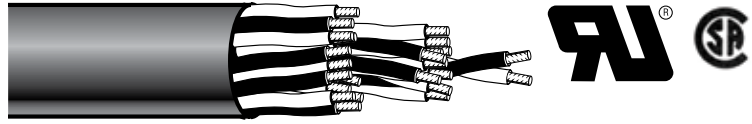


CABLED TWISTED PAIRS CONDUCTORS



NQP SERIES

- Twisted Pair Conductors
- Mil Spec, U.L. AWM

Recognized Style 2464 and CSA Certified AWM II A/B

GRAY PVC JACKET

National Wire & Cable Corporation manufactures a complete line of highly flexible micro-miniature low-voltage instrument control cable. These are available as cabled pairs or singles, with optional overall shield of either foil with drain or a braided shield.

Conductors are stranded tinned copper with .010" wall of tough extruded polyvinyl chloride primary insulation, rated for 300 volt use at +80°C under U.L. style 1061*. All are color coded using ten standard colors plus white with stripes per MIL-STD-681. View Color Table in the National Wire Cable Designers Guide, page 7-13.

Conductors are planetary cabled and helically laid for optimum flexibility, with a barrier under braids. Shielded cables have a tinned copper braid of 90% coverage per MIL-C-7078, with braid angles below 40° for easy pushback; or have a 100% coverage foil shield in intimate contact with a drain wire for easy termination.

Outer jacket is highly flexible abrasion-resistant gray polyvinyl chloride thermoplastic, meeting the requirements of U.L. style 2464. **U.L. & CSA certification furnished.

Military certification furnished only when requested.

All materials are flame retardant and fungus resistant. Standard Putups: 500 and 1000 ft. No-deposit reels. For shorter quantities or specific lengths, consult factory.

*Wire also meets MIL-W-16878 rated 600 volts, +105°C.

**Jacket material is military rated for 105°C; meets MIL-I-631, Type F.

Meets E.I.A. Standards RS-232 for 18-24 gauges.

TECHNICAL DATA (ALL CABLES)	
Insulation Breakdown Voltage:	Greater than 3400 volts AC RMS, 60cps.
Capacitance:	Nominal capacitance from a wire to all else in a cable ranges from 25 to 45 pfft at 1 kc, depending on gauge and position.
Insulation Leakage:	200 megohms/1000 feet minimum @ 500 VDC from conductor to all else in cable.
Sheath Leakage:	10 megohms/1000 feet minimum @ 500 VDC from shield or conductor group through sheath to ground.
Temperature Range:	U.L. rating: +80°C per U.L. style 2464. Military: Continuous use from -40°C to +105°C.
Bending Characteristics:	All cables are suitable for flexing to a circle diameter of 6 cable diameters from +105°C to -20°C. Recommended flex diameter should be greater than 20 cable diameters for flexing at -40°C. For continuous flexing applications consult the factory.
Foil Shielded Cables:	The nominal over-all diameter of foil shielded cables will be .006" greater than the non-shielded cables of the same conductor count and wire size.
Characteristic Impedance (NQP Paired Cables)	Ranges from 150 ohms to 45 ohms, dependent on wire size (AWG), geometry and drive method. Consult our technical staff for data on specific cable types.

For color code of pairs, view the Color Table in the National Wire Cable Designers Guide, page 7-13.

MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

NQP SERIES UNSHIELDED - 28 and 26 AWG										
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM
NQP-228J	2	28	.035	.9	.032	.8	.187	4.7	14	22
NQP-328J	3	28	.035	.9	.032	.8	.197	5.0	17	26
NQP-428J	4	28	.035	.9	.032	.8	.215	5.5	20	30
NQP-528J	5	28	.035	.9	.032	.8	.236	6.0	23	35
NQP-628J	6	28	.035	.9	.032	.8	.257	6.5	27	40
NQP-728J	7	28	.035	.9	.032	.8	.247	6.3	29	43
NQP-828J	8	28	.035	.9	.032	.8	.306	7.8	34	50
NQP-928J	9	28	.035	.9	.032	.8	.292	7.4	37	55
NQP-1028J	10	28	.035	.9	.032	.8	.306	7.8	39	58
NQP-1228J	12	28	.035	.9	.032	.8	.316	8.0	44	65
NQP-1528J	15	28	.035	.9	.032	.8	.355	9.0	52	77
NQP-1928J	19	28	.035	.9	.032	.8	.366	9.3	61	91
NQP-2728J	27	28	.035	.9	.032	.8	.435	11.1	82	122
NQP-3728J	37	28	.035	.9	.032	.8	.485	12.2	106	158
NQP-226J	2	26	.039	1.0	.032	.8	.201	5.1	17	25
NQP-326J	3	26	.039	1.0	.032	.8	.211	5.4	21	31
NQP-426J	4	26	.039	1.0	.032	.8	.232	5.9	25	36
NQP-526J	5	26	.039	1.0	.032	.8	.255	6.5	29	43
NQP-626J	6	26	.039	1.0	.032	.8	.279	7.1	33	49
NQP-726J	7	26	.039	1.0	.032	.8	.267	6.8	36	53
NQP-826J	8	26	.039	1.0	.032	.8	.333	8.5	42	62
NQP-926J	9	26	.039	1.0	.032	.8	.318	8.1	46	68
NQP-1026J	10	26	.039	1.0	.032	.8	.333	8.5	49	73
NQP-1226J	12	26	.039	1.0	.032	.8	.344	8.7	55	82
NQP-1526J	15	26	.039	1.0	.032	.8	.388	9.9	66	98
NQP-1926J	19	26	.039	1.0	.032	.8	.400	10.1	79	117
NQP-2726J	27	26	.039	1.0	.032	.8	.476	12.1	107	159
NQP-3726J	37	26	.039	1.0	.032	.8	.532	13.5	139	207

NQP SERIES OVERALL BRAIDED SHIELD - 28 and 26 AWG												
Part No.	No. of pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight			
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM		
NQP-228SJ	2	28	.035	.9	.032	.8	.207	5.3	29	38		
NQP-328SJ	3	28	.035	.9	.032	.8	.217	5.5	26	43		
NQP-428SJ	4	28	.035	.9	.032	.8	.235	6.0	33	49		
NQP-528SJ	5	28	.035	.9	.032	.8	.256	6.5	38	56		
NQP-628SJ	6	28	.035	.9	.032	.8	.277	7.0	43	63		
NQP-728SJ	7	28	.035	.9	.032	.8	.267	6.8	45	66		
NQP-828SJ	8	28	.035	.9	.032	.8	.326	8.3	53	79		
NQP-928SJ	9	28	.035	.9	.032	.8	.312	7.9	58	86		
NQP-1028SJ	10	28	.035	.9	.032	.8	.326	8.3	60	89		
NQP-1228SJ	12	28	.035	.9	.032	.8	.336	8.5	65	97		
NQP-1528SJ	15	28	.035	.9	.032	.8	.375	9.5	76	113		
NQP-1928SJ	19	28	.035	.9	.032	.8	.386	9.8	87	129		
NQP-2728SJ	27	28	.035	.9	.032	.8	.460	11.7	125	189		
NQP-3728SJ	37	28	.035	.9	.032	.8	.510	12.9	155	231		
NQP-226SJ	2	26	.039	1.0	.032	.8	.221	5.6	29	43		
NQP-326SJ	3	26	.039	1.0	.032	.8	.231	5.9	34	50		
NQP-426SJ	4	26	.039	1.0	.032	.8	.252	6.4	39	58		
NQP-526SJ	5	26	.039	1.0	.032	.8	.275	7.0	45	66		
NQP-626SJ	6	26	.039	1.0	.032	.8	.299	7.6	50	75		
NQP-726SJ	7	26	.039	1.0	.032	.8	.287	7.3	53	79		
NQP-826SJ	8	26	.039	1.0	.032	.8	.353	9.0	63	94		
NQP-926SJ	9	26	.039	1.0	.032	.8	.338	8.6	69	102		
NQP-1026SJ	10	26	.039	1.0	.032	.8	.353	9.0	72	107		
NQP-1226SJ	12	26	.039	1.0	.032	.8	.364	9.2	79	117		
NQP-1526SJ	15	26	.039	1.0	.032	.8	.413	10.5	103	153		
NQP-1926SJ	19	26	.039	1.0	.032	.8	.425	10.8	118	175		
NQP-2726SJ	27	26	.039	1.0	.032	.8	.502	12.7	154	230		
NQP-3726SJ	37	26	.039	1.0	.032	.8	.557	14.2	193	288		

CABLED TWISTED PAIRS - NQP series



MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

NRQP SERIES UNSHIELDED - 28 and 26 AWG										NRQP SERIES OVERALL BRAIDED SHIELD - 28 and 26 AWG											
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight		Part No.	No. of pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	Inches	MM				lbs per 1000 ft	KG/KM	Inches	MM	Inches	MM	Inches	MM
NRQP-228J	2	28	.035	.9	.032	.8	.187	4.7	14	22	NRQP-228SJ	2	28	.035	.9	.032	.8	.207	5.3	26	38
NRQP-328J	3	28	.035	.9	.032	.8	.197	5.0	17	26	NRQP-328SJ	3	28	.035	.9	.032	.8	.217	5.5	29	43
NRQP-428J	4	28	.035	.9	.032	.8	.215	5.5	20	30	NRQP-428SJ	4	28	.035	.9	.032	.8	.235	6.0	33	49
NRQP-528J	5	28	.035	.9	.032	.8	.236	6.0	23	35	NRQP-528SJ	5	28	.035	.9	.032	.8	.256	6.5	38	56
NRQP-628J	6	28	.035	.9	.032	.8	.257	6.5	27	40	NRQP-628SJ	6	28	.035	.9	.032	.8	.277	7.0	43	63
NRQP-728J	7	28	.035	.9	.032	.8	.247	6.3	29	43	NRQP-728SJ	7	28	.035	.9	.032	.8	.267	6.8	45	66
NRQP-828J	8	28	.035	.9	.032	.8	.306	7.8	34	50	NRQP-828SJ	8	28	.035	.9	.032	.8	.326	8.3	53	79
NRQP-928J	9	28	.035	.9	.032	.8	.292	7.4	37	55	NRQP-928SJ	9	28	.035	.9	.032	.8	.312	7.9	58	86
NRQP-1028J	10	28	.035	.9	.032	.8	.306	7.8	39	58	NRQP-1028SJ	10	28	.035	.9	.032	.8	.326	8.3	60	89
NRQP-1228J	12	28	.035	.9	.032	.8	.316	8.0	44	65	NRQP-1228SJ	12	28	.035	.9	.032	.8	.336	8.5	65	97
NRQP-1528J	15	28	.035	.9	.032	.8	.355	9.0	52	77	NRQP-1528SJ	15	28	.035	.9	.032	.8	.375	9.5	76	113
NRQP-1928J	19	28	.035	.9	.032	.8	.366	9.3	61	91	NRQP-1928SJ	19	28	.035	.9	.032	.8	.386	9.8	87	129
NRQP-2728J	27	28	.035	.9	.032	.8	.435	11.1	82	122	NRQP-2728SJ	27	28	.035	.9	.032	.8	.460	11.7	125	189
NRQP-3728J	37	28	.035	.9	.032	.8	.485	12.2	106	158	NRQP-3728SJ	37	28	.035	.9	.032	.8	.510	12.9	155	231
NRQP-226J	2	26	.039	1.0	.032	.8	.201	5.1	17	25	NRQP-226SJ	2	26	.039	1.0	.032	.8	.221	5.6	29	43
NRQP-326J	3	26	.039	1.0	.032	.8	.211	5.4	21	31	NRQP-326SJ	3	26	.039	1.0	.032	.8	.231	5.9	34	50
NRQP-426J	4	26	.039	1.0	.032	.8	.232	5.9	25	36	NRQP-426SJ	4	26	.039	1.0	.032	.8	.252	6.4	39	58
NRQP-526J	5	26	.039	1.0	.032	.8	.255	6.5	29	43	NRQP-526SJ	5	26	.039	1.0	.032	.8	.275	7.0	45	66
NRQP-626J	6	26	.039	1.0	.032	.8	.279	7.1	33	49	NRQP-626SJ	6	26	.039	1.0	.032	.8	.299	7.6	50	75
NRQP-726J	7	26	.039	1.0	.032	.8	.267	6.8	36	53	NRQP-726SJ	7	26	.039	1.0	.032	.8	.287	7.3	53	79
NRQP-826J	8	26	.039	1.0	.032	.8	.333	8.5	42	62	NRQP-826SJ	8	26	.039	1.0	.032	.8	.353	9.0	63	94
NRQP-926J	9	26	.039	1.0	.032	.8	.318	8.1	46	68	NRQP-926SJ	9	26	.039	1.0	.032	.8	.338	8.6	69	102
NRQP-1026J	10	26	.039	1.0	.032	.8	.333	8.5	49	73	NRQP-1026SJ	10	26	.039	1.0	.032	.8	.353	9.0	72	107
NRQP-1226J	12	26	.039	1.0	.032	.8	.344	8.7	55	82	NRQP-1226SJ	12	26	.039	1.0	.032	.8	.364	9.2	79	117
NRQP-1526J	15	26	.039	1.0	.032	.8	.388	9.9	66	98	NRQP-1526SJ	15	26	.039	1.0	.032	.8	.413	10.5	103	153
NRQP-1926J	19	26	.039	1.0	.032	.8	.400	10.1	79	117	NRQP-1926SJ	19	26	.039	1.0	.032	.8	.425	10.8	118	175
NRQP-2726J	27	26	.039	1.0	.032	.8	.476	12.1	107	159	NRQP-2726SJ	27	26	.039	1.0	.032	.8	.502	12.7	154	230
NRQP-3726J	37	26	.039	1.0	.032	.8	.532	13.5	139	207	NRQP-3726SJ	37	26	.039	1.0	.032	.8	.557	14.2	193	288

CABLED TWISTED PAIRS CONDUCTORS



NQP SERIES

- Twisted Pair Conductors
- Mil Spec, U.L. AWM

Recognized Style 2464 and CSA Certified AWM II A/B

For color code of pairs, view the Color Table in the National Wire Cable Designers Guide, page 7-13.

MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

NQP SERIES UNSHIELD - 24, 22, 20 and 18 AWG										
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM
NQP-224J	2	24	.044	1.1	.032	.8	.218	5.5	21	31
NQP-324J	3	24	.044	1.1	.032	.8	.230	5.8	26	38
NQP-424J	4	24	.044	1.1	.032	.8	.253	6.4	31	46
NQP-524J	5	24	.044	1.1	.032	.8	.279	7.1	37	54
NQP-624J	6	24	.044	1.1	.032	.8	.306	7.8	42	63
NQP-724J	7	24	.044	1.1	.032	.8	.292	7.4	46	69
NQP-824J	8	24	.044	1.1	.032	.8	.367	9.3	54	80
NQP-924J	9	24	.044	1.1	.032	.8	.350	8.9	60	89
NQP-1024J	10	24	.044	1.1	.032	.8	.367	9.3	64	95
NQP-1224J	12	24	.044	1.1	.032	.8	.379	9.6	73	108
NQP-1524J	15	24	.044	1.1	.032	.8	.429	10.9	88	130
NQP-1924J	19	24	.044	1.1	.032	.8	.442	11.2	106	157
NQP-2724J	27	24	.044	1.1	.032	.8	.529	13.4	144	214
NQP-222J	2	22	.050	1.3	.032	.8	.238	6.0	26	38
NQP-322J	3	22	.050	1.3	.032	.8	.252	6.4	33	48
NQP-422J	4	22	.050	1.3	.032	.8	.278	7.1	40	59
NQP-522J	5	22	.050	1.3	.032	.8	.308	7.8	47	71
NQP-622J	6	22	.050	1.3	.032	.8	.338	8.6	55	82
NQP-722J	7	22	.050	1.3	.032	.8	.323	8.2	61	91
NQP-822J	8	22	.050	1.3	.032	.8	.408	10.4	71	106
NQP-922J	9	22	.050	1.3	.032	.8	.388	9.9	79	117
NQP-1022J	10	22	.050	1.3	.032	.8	.408	10.4	85	126
NQP-1222J	12	22	.050	1.3	.032	.8	.422	10.7	97	145
NQP-1522J	15	22	.050	1.3	.032	.8	.478	12.1	118	176
NQP-1922J	19	22	.050	1.3	.032	.8	.493	12.5	143	213
NQP-2722J	27	22	.050	1.3	.032	1.3	.628	15.9	221	328
NQP-220J	2	20	.058	1.5	.032	.8	.265	6.7	35	52
NQP-320J	3	20	.058	1.5	.032	.8	.281	7.1	45	67
NQP-420J	4	20	.058	1.5	.032	.8	.312	7.9	56	84
NQP-520J	5	20	.058	1.5	.032	.8	.346	8.8	66	101
NQP-620J	6	20	.058	1.5	.032	.8	.381	9.7	79	118
NQP-720J	7	20	.058	1.5	.032	.8	.364	9.2	89	132
NQP-820J	8	20	.058	1.5	.032	.8	.462	11.7	103	154
NQP-920J	9	20	.058	1.5	.032	.8	.439	11.2	115	171
NQP-1020J	10	20	.058	1.5	.032	.8	.462	11.7	124	185
NQP-1220J	12	20	.058	1.5	.032	.8	.478	12.1	144	214
NQP-1520J	15	20	.058	1.5	.032	.8	.544	13.8	176	262
NQP-1920J	19	20	.058	1.5	.032	.8	.561	14.2	216	321
NQP-2720J	27	20	.058	1.5	.032	.8	.711	18.1	326	486
NQP-218J	2	18	.068	1.7	.032	.8	.299	7.6	46	69
NQP-318J	3	18	.068	1.7	.032	.8	.318	8.1	61	91
NQP-418J	4	18	.068	1.7	.032	.8	.354	9.0	77	115
NQP-518J	5	18	.068	1.7	.032	.8	.394	10.0	94	139
NQP-618J	6	18	.068	1.7	.032	.8	.435	11.1	110	163
NQP-718J	7	18	.068	1.7	.032	.8	.415	10.5	124	184
NQP-1218J	12	18	.068	1.7	.032	.8	.549	13.9	203	302

NQP SERIES OVERALL BRAIDED SHIELD - 24, 22, 20 and 18 AWG												
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight		lbs per 1000 ft	KG/KM
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM		
NQP-224SJ	2	24	.044	1.1	.032	.8	.238	6.0	34	51		
NQP-324SJ	3	24	.044	1.1	.032	.8	.250	6.3	40	60		
NQP-424SJ	4	24	.044	1.1	.032	.8	.273	6.9	47	70		
NQP-524SJ	5	24	.044	1.1	.032	.8	.299	7.6	54	81		
NQP-624SJ	6	24	.044	1.1	.032	.8	.326	8.3	62	92		
NQP-724SJ	7	24	.044	1.1	.032	.8	.312	7.9	66	98		
NQP-824SJ	8	24	.044	1.1	.032	.8	.387	9.8	78	116		
NQP-924SJ	9	24	.044	1.1	.032	.8	.370	9.4	85	127		
NQP-1024SJ	10	24	.044	1.1	.032	.8	.387	9.8	89	133		
NQP-1224SJ	12	24	.044	1.1	.032	.8	.404	10.3	109	163		
NQP-1524SJ	15	24	.044	1.1	.032	.8	.454	11.5	129	192		
NQP-1924SJ	19	24	.044	1.1	.032	.8	.467	11.9	149	222		
NQP-2724SJ	27	24	.044	1.1	.032	.8	.554	14.1	198	294		
NQP-222SJ	2	22	.050	1.3	.032	.8	.258	6.6	41	61		
NQP-322SJ	3	22	.050	1.3	.032	.8	.272	6.9	49	73		
NQP-422SJ	4	22	.050	1.3	.032	.8	.298	7.6	58	86		
NQP-522SJ	5	22	.050	1.3	.032	.8	.328	8.3	67	100		
NQP-622SJ	6	22	.050	1.3	.032	.8	.350	9.1	77	115		
NQP-722SJ	7	22	.050	1.3	.032	.8	.343	8.7	83	123		
NQP-822SJ	8	22	.050	1.3	.032	.8	.433	11.0	108	161		
NQP-922SJ	9	22	.050	1.3	.032	.8	.413	10.5	119	176		
NQP-1022SJ	10	22	.050	1.3	.032	.8	.433	11.0	124	185		
NQP-1222SJ	12	22	.050	1.3	.032	.8	.447	11.3	139	206		
NQP-1522SJ	15	22	.050	1.3	.032	.8	.503	12.8	165	245		
NQP-1922SJ	19	22	.050	1.3	.032	.8	.518	13.2	193	287		
NQP-2722SJ	27	22	.050	1.3	.032	.8	.653	16.6	282	419		
NQP-220SJ	2	20	.058	1.5	.032	.8	.285	7.2	52	78		
NQP-320SJ	3	20	.058	1.5	.032	.8	.301	7.6	64	95		
NQP-420SJ	4	20	.058	1.5	.032	.8	.332	8.4	77	114		
NQP-520SJ	5	20	.058	1.5	.032	.8	.336	9.3	91	135		
NQP-620SJ	6	20	.058	1.5	.032	.8	.401	10.2	105	156		
NQP-720SJ	7	20	.058	1.5	.032	.8	.384	9.7	114	170		
NQP-820SJ	8	20	.058	1.5	.032	.8	.488	12.4	146	217		
NQP-920SJ	9	20	.058	1.5	.032	.8	.464	11.8	161	239		
NQP-1020SJ	10	20	.058	1.5	.032	.8	.488	12.4	170	253		
NQP-1220SJ	12	20	.058	1.5	.032	.8	.503	12.8	192	285		
NQP-1520SJ	15	20	.058	1.5	.032	1.3	.605	15.4	252	375		
NQP-1920SJ	19	20	.058	1.5	.032	1.3	.622	15.8	296	441		
NQP-2720SJ	27	20	.058	1.5	.032	1.3	.737	18.7	397	591		
NQP-218SJ	2	18	.068	1.7	.032	.8	.319	8.1	66	98		
NQP-318SJ	3	18	.068	1.7	.032	.8	.338	8.6	83	123		
NQP-418SJ	4	18	.068	1.7	.032	.8	.374	9.5	101	150		
NQP-518SJ	5	18	.068	1.7	.032	.8	.420	10.7	130	194		
NQP-618SJ	6	18	.068	1.7	.032	.8	.460	11.7	151	224		
NQP-718SJ	7	18	.068	1.7	.032	.8	.440	11.2	164	245		
NQP-1218SJ	12	18	.068	1.7	.032	.8	.610	15.5	281	418		

CABLED TWISTED PAIRS - NQP series



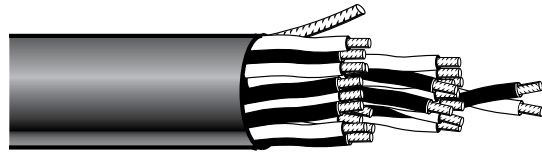
MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

NRQP SERIES UNSHIELD - 24, 22, 20 and 18 AWG										NRQP SERIES OVERALL BRAIDED SHIELD - 24, 22, 20 and 18 AWG											
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight		Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	Inches	MM				lbs per 1000 ft	KG/KM	Inches	MM	Inches	MM	Inches	MM
NRQP-224J	2	24	.044	1.1	.032	.8	.218	5.5	21	31	NRQP-224SJ	2	24	.044	1.1	.032	.8	.238	6.0	34	51
NRQP-324J	3	24	.044	1.1	.032	.8	.230	5.8	26	38	NRQP-324SJ	3	24	.044	1.1	.032	.8	.250	6.3	40	60
NRQP-424J	4	24	.044	1.1	.032	.8	.253	6.4	31	46	NRQP-424SJ	4	24	.044	1.1	.032	.8	.273	6.9	47	70
NRQP-524J	5	24	.044	1.1	.032	.8	.279	7.1	37	54	NRQP-524SJ	5	24	.044	1.1	.032	.8	.299	7.6	54	81
NRQP-624J	6	24	.044	1.1	.032	.8	.306	7.8	42	63	NRQP-624SJ	6	24	.044	1.1	.032	.8	.326	8.3	62	92
NRQP-724J	7	24	.044	1.1	.032	.8	.292	7.4	46	69	NRQP-724SJ	7	24	.044	1.1	.032	.8	.312	7.9	66	98
NRQP-824J	8	24	.044	1.1	.032	.8	.367	9.3	54	80	NRQP-824SJ	8	24	.044	1.1	.032	.8	.387	9.8	78	116
NRQP-924J	9	24	.044	1.1	.032	.8	.350	8.9	60	89	NRQP-924SJ	9	24	.044	1.1	.032	.8	.370	9.4	85	127
NRQP-1024J	10	24	.044	1.1	.032	.8	.367	9.3	64	95	NRQP-1024SJ	10	24	.044	1.1	.032	.8	.387	9.8	89	133
NRQP-1224J	12	24	.044	1.1	.032	.8	.379	9.6	73	108	NRQP-1224SJ	12	24	.044	1.1	.032	.8	.404	10.3	109	163
NRQP-1524J	15	24	.044	1.1	.032	.8	.429	10.9	88	130	NRQP-1524SJ	15	24	.044	1.1	.032	.8	.454	11.5	129	192
NRQP-1924J	19	24	.044	1.1	.032	.8	.442	11.2	106	157	NRQP-1924SJ	19	24	.044	1.1	.032	.8	.467	11.9	149	222
NRQP-2724J	27	24	.044	1.1	.032	.8	.529	13.4	144	214	NRQP-2724SJ	27	24	.044	1.1	.032	.8	.554	14.1	198	294
NRQP-222J	2	22	.050	1.3	.032	.8	.238	6.0	26	38	NRQP-222SJ	2	22	.050	1.3	.032	.8	.258	6.6	41	61
NRQP-322J	3	22	.050	1.3	.032	.8	.252	6.4	33	48	NRQP-322SJ	3	22	.050	1.3	.032	.8	.272	6.9	49	73
NRQP-422J	4	22	.050	1.3	.032	.8	.278	7.1	40	59	NRQP-422SJ	4	22	.050	1.3	.032	.8	.298	7.6	58	86
NRQP-522J	5	22	.050	1.3	.032	.8	.308	7.8	47	71	NRQP-522SJ	5	22	.050	1.3	.032	.8	.328	8.3	67	100
NRQP-622J	6	22	.050	1.3	.032	.8	.338	8.6	55	82	NRQP-622SJ	6	22	.050	1.3	.032	.8	.350	9.1	77	115
NRQP-722J	7	22	.050	1.3	.032	.8	.323	8.2	61	91	NRQP-722SJ	7	22	.050	1.3	.032	.8	.343	8.7	83	123
NRQP-822J	8	22	.050	1.3	.032	.8	.408	10.4	71	106	NRQP-822SJ	8	22	.050	1.3	.032	.8	.433	11.0	108	161
NRQP-922J	9	22	.050	1.3	.032	.8	.388	9.9	79	117	NRQP-922SJ	9	22	.050	1.3	.032	.8	.413	10.5	119	176
NRQP-1022J	10	22	.050	1.3	.032	.8	.408	10.4	85	126	NRQP-1022SJ	10	22	.050	1.3	.032	.8	.433	11.0	124	185
NRQP-1222J	12	22	.050	1.3	.032	.8	.422	10.7	97	145	NRQP-1222SJ	12	22	.050	1.3	.032	.8	.447	11.3	139	206
NRQP-1522J	15	22	.050	1.3	.032	.8	.478	12.1	118	176	NRQP-1522SJ	15	22	.050	1.3	.032	.8	.503	12.8	165	245
NRQP-1922J	19	22	.050	1.3	.032	.8	.493	12.5	143	213	NRQP-1922SJ	19	22	.050	1.3	.032	.8	.518	13.2	193	287
NRQP-2722J	27	22	.050	1.3	.032	1.3	.628	15.9	221	328	NRQP-2722SJ	27	22	.050	1.3	.032	.8	.653	16.6	282	419
NRQP-220J	2	20	.058	1.5	.032	.8	.265	6.7	35	52	NRQP-220SJ	2	20	.058	1.5	.032	.8	.285	7.2	52	78
NRQP-320J	3	20	.058	1.5	.032	.8	.281	7.1	45	67	NRQP-320SJ	3	20	.058	1.5	.032	.8	.301	7.6	64	95
NRQP-420J	4	20	.058	1.5	.032	.8	.312	7.9	56	84	NRQP-420SJ	4	20	.058	1.5	.032	.8	.332	8.4	77	114
NRQP-520J	5	20	.058	1.5	.032	.8	.346	8.8	66	101	NRQP-520SJ	5	20	.058	1.5	.032	.8	.336	9.3	91	135
NRQP-620J	6	20	.058	1.5	.032	.8	.381	9.7	79	118	NRQP-620SJ	6	20	.058	1.5	.032	.8	.401	10.2	105	156
NRQP-720J	7	20	.058	1.5	.032	.8	.364	9.2	89	132	NRQP-720SJ	7	20	.058	1.5	.032	.8	.384	9.7	114	170
NRQP-820J	8	20	.058	1.5	.032	.8	.462	11.7	103	154	NRQP-820SJ	8	20	.058	1.5	.032	.8	.488	12.4	146	217
NRQP-920J	9	20	.058	1.5	.032	.8	.439	11.2	115	171	NRQP-920SJ	9	20	.058	1.5	.032	.8	.464	11.8	161	239
NRQP-1020J	10	20	.058	1.5	.032	.8	.462	11.7	124	185	NRQP-1020SJ	10	20	.058	1.5	.032	.8	.488	12.4	170	253
NRQP-1220J	12	20	.058	1.5	.032	.8	.478	12.1	144	214	NRQP-1220SJ	12	20	.058	1.5	.032	.8	.503	12.8	192	285
NRQP-1520J	15	20	.058	1.5	.032	.8	.544	13.8	176	262	NRQP-1520SJ	15	20	.058	1.5	.032	1.3	.605	15.4	252	375
NRQP-1920J	19	20	.058	1.5	.032	.8	.561	14.2	216	321	NRQP-1920SJ	19	20	.058	1.5	.032	1.3	.622	15.8	296	441
NRQP-2720J	27	20	.058	1.5	.032	.8	.711	18.1	326	486	NRQP-2720SJ	27	20	.058	1.5	.032	1.3	.737	18.7	397	591
NRQP-218J	2	18	.068	1.7	.032	.8	.299	7.6	46	69	NRQP-218SJ	2	18	.068	1.7	.032	.8	.319	8.1	66	98
NRQP-318J	3	18	.068	1.7	.032	.8	.318	8.1	61	91	NRQP-318SJ	3	18	.068	1.7	.032	.8	.338	8.6	83	123
NRQP-418J	4	18	.068	1.7	.032	.8	.354	9.0	77	115	NRQP-418SJ	4	18	.068	1.7	.032	.8	.374	9.5	101	150
NRQP-518J	5	18	.068	1.7	.032	.8	.394	10.0	94	139	NRQP-518SJ	5	18	.068	1.7	.032	.8	.420	10.7	130	194
NRQP-618J	6	18	.068	1.7	.032	.8	.435	11.1	110	163	NRQP-618SJ	6	18	.068	1.7	.032	.8	.460	11.7	151	224
NRQP-718J	7	18	.068	1.7	.032	.8	.415	10.5	124	184	NRQP-718SJ	7	18	.068	1.7	.032	.8	.440	11.2	164	245
NRQP-1218J	12	18	.068	1.7	.032	.8	.549	13.9	203	302	NRQP-1218SJ	12	18	.068	1.7	.032	.8	.610	15.5	281	418

CABLED TWISTED PAIRS CONDUCTORS



NQP SERIES

- Twisted Pair Conductors
- Mil Spec, U.L. AWM

Recognized Style 2464 and CSA Certified AWM II A/B

For color code of pairs, view the Color Table in the National Wire Cable Designers Guide, page 7-13.

MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

NQP SERIES OVERALL FOIL SHIELD WITH DRAIN - 28, 26 and 24 AWG										
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM
NQP-228FSJ	2	28	.035	.9	.032	.8	.189	4.8	15	23
NQP-328FSJ	3	28	.035	.9	.032	.8	.199	5.0	18	27
NQP-428FSJ	4	28	.035	.9	.032	.8	.217	5.5	21	31
NQP-528FSJ	5	28	.035	.9	.032	.8	.238	6.0	24	36
NQP-628FSJ	6	28	.035	.9	.032	.8	.259	6.6	27	41
NQP-728FSJ	7	28	.035	.9	.032	.8	.249	6.3	29	44
NQP-828FSJ	8	28	.035	.9	.032	.8	.308	7.8	34	51
NQP-928FSJ	9	28	.035	.9	.032	.8	.294	7.5	38	56
NQP-1028FSJ	10	28	.035	.9	.032	.8	.308	7.8	40	59
NQP-1228FSJ	12	28	.035	.9	.032	.8	.318	8.1	44	66
NQP-1528FSJ	15	28	.035	.9	.032	.8	.357	9.1	53	78
NQP-1928FSJ	19	28	.035	.9	.032	.8	.368	9.3	62	92
NQP-2728FSJ	27	28	.035	.9	.032	.8	.437	11.1	83	124
NQP-3728FSJ	37	28	.035	.9	.032	.8	.487	12.3	107	159
NQP-226FSJ	2	26	.039	1.0	.032	.8	.203	5.1	18	27
NQP-326FSJ	3	26	.039	1.0	.032	.8	.213	5.4	22	32
NQP-426FSJ	4	26	.039	1.0	.032	.8	.234	5.9	25	38
NQP-526FSJ	5	26	.039	1.0	.032	.8	.257	6.5	30	44
NQP-626FSJ	6	26	.039	1.0	.032	.8	.281	7.1	34	50
NQP-726FSJ	7	26	.039	1.0	.032	.8	.269	6.8	37	55
NQP-826FSJ	8	26	.039	1.0	.032	.8	.335	8.5	43	64
NQP-926FSJ	9	26	.039	1.0	.032	.8	.320	8.1	47	70
NQP-1026FSJ	10	26	.039	1.0	.032	.8	.335	8.5	50	74
NQP-1226FSJ	12	26	.039	1.0	.032	.8	.346	8.8	56	84
NQP-1526FSJ	15	26	.039	1.0	.032	.8	.390	9.9	67	100
NQP-1926FSJ	19	26	.039	1.0	.032	.8	.402	10.2	80	119
NQP-2726FSJ	27	26	.039	1.0	.032	.8	.478	12.2	108	160
NQP-3726FSJ	37	26	.039	1.0	.032	.8	.534	13.5	140	209
NQP-224FSJ	2	24	.044	1.1	.032	.8	.220	5.6	22	3
NQP-324FSJ	3	24	.044	1.1	.032	.8	.232	5.9	27	40
NQP-424FSJ	4	24	.044	1.1	.032	.8	.255	6.5	32	48
NQP-524FSJ	5	24	.044	1.1	.032	.8	.281	7.1	38	57
NQP-624FSJ	6	24	.044	1.1	.032	.8	.308	7.8	44	65
NQP-724FSJ	7	24	.044	1.1	.032	.8	.294	7.5	48	71
NQP-824FSJ	8	24	.044	1.1	.032	.8	.369	9.4	55	83
NQP-924FSJ	9	24	.044	1.1	.032	.8	.352	8.9	61	91
NQP-1024FSJ	10	24	.044	1.1	.032	.8	.369	9.4	65	97
NQP-1224FSJ	12	24	.044	1.1	.032	.8	.381	8.9	61	91
NQP-1524FSJ	15	24	.044	1.1	.032	.8	.431	10.9	89	133
NQP-1924FSJ	19	24	.044	1.1	.032	.8	.444	11.3	107	159
NQP-2724FSJ	24	24	.044	1.1	.032	.8	.531	13.5	146	217

NQP SERIES OVERALL FOIL SHIELD WITH DRAIN - 22, 20 and 18 AWG										
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM
NQP-222FSJ	2	22	.050	1.3	.032	.8	.240	6.1	28	42
NQP-322FSJ	3	22	.050	1.3	.032	.8	.254	6.4	35	52
NQP-422FSJ	4	22	.050	1.3	.032	.8	.280	7.1	42	63
NQP-522FSJ	5	22	.050	1.3	.032	.8	.310	7.9	50	74
NQP-622FSJ	6	22	.050	1.3	.032	.8	.340	8.6	57	85
NQP-722FSJ	7	22	.050	1.3	.032	.8	.325	8.3	63	94
NQP-822FSJ	8	22	.050	1.3	.032	.8	.410	10.4	73	109
NQP-922FSJ	9	22	.050	1.3	.032	.8	.390	9.9	81	120
NQP-1022FSJ	10	22	.050	1.3	.032	.8	.410	10.4	87	129
NQP-1222FSJ	12	22	.050	1.3	.032	.8	.424	10.8	99	148
NQP-1522FSJ	15	22	.050	1.3	.032	.8	.480	12.2	120	179
NQP-1922FSJ	19	22	.050	1.3	.032	.8	.495	12.6	146	216
NQP-2722FSJ	27	22	.050	1.3	.032	.8	.630	16.0	223	331
NQP-220FSJ	2	20	.058	1.5	.032	.8	.267	6.8	39	57
NQP-320FSJ	3	20	.058	1.5	.032	.8	.283	7.2	49	73
NQP-420FSJ	4	20	.058	1.5	.032	.8	.314	8.0	60	90
NQP-520FSJ	5	20	.058	1.5	.032	.8	.348	8.8	72	107
NQP-620FSJ	6	20	.058	1.5	.032	.8	.383	9.7	83	124
NQP-720FSJ	7	20	.058	1.5	.032	.8	.366	9.3	93	138
NQP-820FSJ	8	20	.058	1.5	.032	.8	.464	11.8	107	159
NQP-920FSJ	9	20	.058	1.5	.032	.8	.441	11.2	119	176
NQP-1020FSJ	10	20	.058	1.5	.032	.8	.464	11.8	128	190
NQP-1220FSJ	12	20	.058	1.5	.032	.8	.480	12.2	148	220
NQP-1520FSJ	15	20	.058	1.5	.032	.8	.546	13.9	180	268
NQP-1920FSJ	19	20	.058	1.5	.032	.8	.563	14.3	220	327
NQP-2720FSJ	27	20	.058	1.5	.032	.8	.713	18.1	330	492
NQP-218FSJ	2	18	.068	1.7	.032	.8	.301	7.7	52	77
NQP-318FSJ	3	18	.068	1.7	.032	.8	.320	8.1	67	100
NQP-418FSJ	4	18	.068	1.7	.032	.8	.356	9.0	83	124
NQP-518FSJ	5	18	.068	1.7	.032	.8	.396	10.1	99	148
NQP-618FSJ	6	18	.068	1.7	.032	.8	.437	11.1	116	172
NQP-718FSJ	7	18	.068	1.7	.032	.8	.417	10.6	130	193
NQP-1218FSJ	12	18	.068	1.7	.032	.8	.551	14.0	209	310

CABLED TWISTED PAIRS - NQP series



MULTI-CONDUCTOR STOCK CABLED SINGLES Conductor sizes 28, 26, 24, 22 are 7 strand. All others are 19 strand.

RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

NRQP SERIES OVERALL FOIL SHIELD WITH DRAIN - 28, 26 and 24 AWG											NRQP SERIES OVERALL FOIL SHIELD WITH DRAIN - 22, 20 and 18 AWG										
Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight		Part No.	No. of Pairs	Cond AWG	Cond. Diam.		Jacket Wall		Nom. Diam.		Weight	
			Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM				Inches	MM	Inches	MM	Inches	MM	lbs per 1000 ft	KG/KM
NRQP-228FSJ	2	28	.035	.9	.032	.8	.189	4.8	15	23	NRQP-222FSJ	2	22	.050	1.3	.032	.8	.240	6.1	28	42
NRQP-328FSJ	3	28	.035	.9	.032	.8	.199	5.0	18	27	NRQP-322FSJ	3	22	.050	1.3	.032	.8	.254	6.4	35	52
NRQP-428FSJ	4	28	.035	.9	.032	.8	.217	5.5	21	31	NRQP-422FSJ	4	22	.050	1.3	.032	.8	.280	7.1	42	63
NRQP-528FSJ	5	28	.035	.9	.032	.8	.238	6.0	24	36	NRQP-522FSJ	5	22	.050	1.3	.032	.8	.310	7.9	50	74
NRQP-628FSJ	6	28	.035	.9	.032	.8	.259	6.6	27	41	NRQP-622FSJ	6	22	.050	1.3	.032	.8	.340	8.6	57	85
NRQP-728FSJ	7	28	.035	.9	.032	.8	.249	6.3	29	44	NRQP-722FSJ	7	22	.050	1.3	.032	.8	.325	8.3	63	94
NRQP-828FSJ	8	28	.035	.9	.032	.8	.308	7.8	34	51	NRQP-822FSJ	8	22	.050	1.3	.032	.8	.410	10.4	73	109
NRQP-928FSJ	9	28	.035	.9	.032	.8	.294	7.5	38	56	NRQP-922FSJ	9	22	.050	1.3	.032	.8	.390	9.9	81	120
NRQP-1028FSJ	10	28	.035	.9	.032	.8	.308	7.8	40	59	NRQP-1022FSJ	10	22	.050	1.3	.032	.8	.410	10.4	87	129
NRQP-1228FSJ	12	28	.035	.9	.032	.8	.318	8.1	44	66	NRQP-1222FSJ	12	22	.050	1.3	.032	.8	.424	10.8	99	148
NRQP-1528FSJ	15	28	.035	.9	.032	.8	.357	9.1	53	78	NRQP-1522FSJ	15	22	.050	1.3	.032	.8	.480	12.2	120	179
NRQP-1928FSJ	19	28	.035	.9	.032	.8	.368	9.3	62	92	NRQP-1922FSJ	19	22	.050	1.3	.032	.8	.495	12.6	146	216
NRQP-2728FSJ	27	28	.035	.9	.032	.8	.437	11.1	83	124	NRQP-2722FSJ	27	22	.050	1.3	.032	.8	.630	16.0	223	331
NRQP-3728FSJ	37	28	.035	.9	.032	.8	.487	12.3	107	159	NRQP-220FSJ	2	20	.058	1.5	.032	.8	.267	6.8	39	57
NRQP-226FSJ	2	26	.039	1.0	.032	.8	.203	5.1	18	27	NRQP-320FSJ	3	20	.058	1.5	.032	.8	.283	7.2	49	73
NRQP-326FSJ	3	26	.039	1.0	.032	.8	.213	5.4	22	32	NRQP-420FSJ	4	20	.058	1.5	.032	.8	.314	8.0	60	90
NRQP-426FSJ	4	26	.039	1.0	.032	.8	.234	5.9	25	38	NRQP-520FSJ	5	20	.058	1.5	.032	.8	.348	8.8	72	107
NRQP-526FSJ	5	26	.039	1.0	.032	.8	.257	6.5	30	44	NRQP-620FSJ	6	20	.058	1.5	.032	.8	.383	9.7	83	124
NRQP-626FSJ	6	26	.039	1.0	.032	.8	.281	7.1	34	50	NRQP-720FSJ	7	20	.058	1.5	.032	.8	.366	9.3	93	138
NRQP-726FSJ	7	26	.039	1.0	.032	.8	.269	6.8	37	55	NRQP-820FSJ	8	20	.058	1.5	.032	.8	.464	11.8	107	159
NRQP-826FSJ	8	26	.039	1.0	.032	.8	.335	8.5	43	64	NRQP-920FSJ	9	20	.058	1.5	.032	.8	.441	11.2	119	176
NRQP-926FSJ	9	26	.039	1.0	.032	.8	.320	8.1	47	70	NRQP-1020FSJ	10	20	.058	1.5	.032	.8	.464	11.8	128	190
NRQP-1026FSJ	10	26	.039	1.0	.032	.8	.335	8.5	50	74	NRQP-1220FSJ	12	20	.058	1.5	.032	.8	.480	12.2	148	220
NRQP-1226FSJ	12	26	.039	1.0	.032	.8	.346	8.8	56	84	NRQP-1520FSJ	15	20	.058	1.5	.032	.8	.546	13.9	180	268
NRQP-1526FSJ	15	26	.039	1.0	.032	.8	.390	9.9	67	100	NRQP-1920FSJ	19	20	.058	1.5	.032	.8	.563	14.3	220	327
NRQP-1926FSJ	19	26	.039	1.0	.032	.8	.402	10.2	80	119	NRQP-2720FSJ	27	20	.058	1.5	.032	.8	.713	18.1	330	492
NRQP-2726FSJ	27	26	.039	1.0	.032	.8	.478	12.2	108	160	NRQP-218FSJ	2	18	.068	1.7	.032	.8	.301	7.7	52	77
NRQP-3726FSJ	37	26	.039	1.0	.032	.8	.534	13.5	140	209	NRQP-318FSJ	3	18	.068	1.7	.032	.8	.320	8.1	67	100
NRQP-224FSJ	2	24	.044	1.1	.032	.8	.220	5.6	22	3	NRQP-418FSJ	4	18	.068	1.7	.032	.8	.356	9.0	83	124
NRQP-324FSJ	3	24	.044	1.1	.032	.8	.232	5.9	27	40	NRQP-518FSJ	5	18	.068	1.7	.032	.8	.396	10.1	99	148
NRQP-424FSJ	4	24	.044	1.1	.032	.8	.255	6.5	32	48	NRQP-618FSJ	6	18	.068	1.7	.032	.8	.437	11.1	116	172
NRQP-524FSJ	5	24	.044	1.1	.032	.8	.281	7.1	38	57	NRQP-718FSJ	7	18	.068	1.7	.032	.8	.417	10.6	130	193
NRQP-624FSJ	6	24	.044	1.1	.032	.8	.308	7.8	44	65	NRQP-1218FSJ	12	18	.068	1.7	.032	.8	.551	14.0	209	310
NRQP-724FSJ	7	24	.044	1.1	.032	.8	.294	7.5	48	71											
NRQP-824FSJ	8	24	.044	1.1	.032	.8	.369	9.4	55	83											
NRQP-924FSJ	9	24	.044	1.1	.032	.8	.352	8.9	61	91											
NRQP-1024FSJ	10	24	.044	1.1	.032	.8	.369	9.4	65	97											
NRQP-1224FSJ	12	24	.044	1.1	.032	.8	.381	8.9	61	91											
NRQP-1524FSJ	15	24	.044	1.1	.032	.8	.431	10.9	89	133											
NRQP-1924FSJ	19	24	.044	1.1	.032	.8	.444	11.3	107	159											
NRQP-2724FSJ	24	24	.044	1.1	.032	.8	.531	13.5	146	217											