

RocketRibbon® Cable – Quick Reference

AEN175, Revision 4

The tables in this Applications Engineering Note provide a quick reference to commonly needed information pertaining to RocketRibbon® Cables. This document will be updated with new RocketRibbon cable versions as they are released. Links to other AE Notes that provide information related to cable installation and handling are also included for convenience.

RocketRibbon® Cable-250

Fiber Count Central Stack	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
24	2 x 12f Ribbons	004-292	10.4 (0.41)	312 (12.3)	0.75	24" x 36"	PN: 024ZC4-14700S53
48	4 x 12f Ribbons	004-292	10.4 (0.41)	312 (12.3)	0.75	24" x 36"	PN: 048ZC4-14700S53
72	6 x 12f Ribbons	004-292	10.9 (0.43)	327 (12.9)	0.75	24" x 36"	PN: 072ZC4-14700S53
96	8 x 12f Ribbons	004-292	12.3 (0.48)	370 (14.6)	0.75	24" x 36"	PN: 096ZC4-14700S53
144	12 x 12f Ribbons	004-292	12.3 (0.48)	370 (14.6)	0.75	24" x 36"	PN: 144ZC4-14700S53
216	12 x 18f Ribbons	004-292	14.7 (0.58)	441 (17.4)	0.75	24" x 36"	PN: 216ZC4-14700S53
288	4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-292	14.7 (0.58)	441 (17.4)	0.75	24" x 36"	PN: 288ZV4-14700S53
360	4 x 12f Ribbons 11 x 24f Ribbons 4 x 12f Ribbons	004-292	15.4 (0.61)	462 (18.2)	1	30" x 48"	PN: 360ZV4-14700S53
432	4 x 12f Ribbons 14 x 24f Ribbons 4 x 12f Ribbons	004-292	15.4 (0.61)	462 (18.2)	1	30" x 48"	PN: 432ZV4-14700S53
Armored							
24	2 x 12f Ribbons	004-293	11 (0.43)	330 (13)	0.75	24" x 36"	PN: 024ZC5-14700S53
48	4 x 12f Ribbons	004-293	11 (0.43)	330 (13)	0.75	24" x 36"	PN: 048ZC5-14700S53
72	6 x 12f Ribbons	004-293	11.3 (0.44)	339 (12.2)	0.75	24" x 36"	PN: 072ZC5-14700S53
96	8 x 12f Ribbons	004-293	13 (0.51)	390 (15.4)	0.75	24" x 36"	PN: 096ZC5-14700S53
144	12 x 12f Ribbons	004-293	13 (0.51)	390 (15.4)	0.75	24" x 36"	PN: 144ZC5-14700S53
216	18 x 12f Ribbons	004-293	15.2 (0.6)	456 (18)	1	30" x 48"	PN: 216ZC5-14700S53
288	4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-293	15.2 (0.6)	456 (18)	1	30" x 48"	PN: 288ZV5-14700S53
360	4 x 12f Ribbons 11 x 24f Ribbons 4 x 12f Ribbons	004-293	16.4 (0.65)	492 (19.4)	1	30" x 48"	PN: 360ZV5-14700S53
432	4 x 12f Ribbons 14 x 24f Ribbons 4 x 12f Ribbons	004-293	16.4 (0.65)	492 (19.4)	1	30" x 48"	PN: 432ZV5-14700S53

RocketRibbon® HD Cable-250

Fiber Count SZ Stranded Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
432	144f Subunits 12 x 12f Ribbons	004-294	17.4 (0.69)	522 (20.6)	1	30" x 48"	PN: 432ZQ4-14700S53
576	144f Subunits 12 x 12f Ribbons	004-294	18.8 (0.74)	564 (22.2)	1	30" x 48"	PN: 576ZQ4-14700S53
864	144f Subunits 12 x 12f Ribbons	004-294	22.9 (0.9)	687 (27)	1.25	30" x 60"	PN: 864ZQ4-14700S53
Armored							
432	144f Subunits 12 x 12f Ribbons	004-293	17.7 (0.7)	531 (21)	1	30" x 48"	PN: 432ZQ5-14700S53
576	144f Subunits 12 x 12f Ribbons	004-293	20.5 (0.81)	615 (24.2)	1.25	30" x 60"	PN: 576ZQ5-14700S53
864	144f Subunits 12 x 12f Ribbons	004-293	23.3 (0.88)	669 (26)	1.25	30" x 60"	PN: 864ZQ5-14700S53

RocketRibbon® XD Cable-250

Fiber Count Helical Stranded Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
1728	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-279	26 (1.02)	780 (30.7)	1.5	48" x 72"	PN: H28ZQ4-14101S53 Not S-Z Stranded
3456	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-290	33 (1.3)	990 (39)	2	48" x 96"	PN: Y56ZQ4-14101S53 Not S-Z Stranded
Armored							
1728	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-295	28 (1.1)	840 (33)	1.5	48" x 72"	PN: H28ZQ5-14101S53 Not S-Z Stranded

RocketRibbon® XD Cable-200 Flow

Fiber Count Helical Stranded Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
1728	288f Subunits		20.1 (0.79)	604 (23.8)	1.25	30" x 60"	PN: H28ZQ4-14161B53 Not S-Z Stranded
3456	288f Subunits		26 (1.02)	780 (30.7)	1.5	48" x 72"	PN: Y56ZQ4-14161B53 Not S-Z Stranded

RocketRibbon® XD Indoor/Outdoor Riser-LSZH Cable-200 Flow

Fiber Count Helical Stranded Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
1728	288f Subunits		21 (0.83)	630 (24.9)	1.25	30" x 60"	PN: H28ZQZ-14161B20 Not S-Z Stranded
3456	288f Subunits		27 (1.06)	810 (31.8)	1.5	48" x 72"	PN: Y56ZQZ-14161B20 Not S-Z Stranded
6912	288f Subunits		34.2 (1.35)	1026 (40.5)	2	48" x 72"	PN: BMCZQZ-14161B20 Not S-Z Stranded

RocketRibbon® Indoor/Outdoor, Riser-LSZH

Fiber Count Helical Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Minimum Vault Size Small Closure + 75ft of cable	Comments
Dielectric							
96	8 x 12f Ribbons	004-291	12.1 (0.47)	242 (9.4) storage 484 (19.1) install	0.75	24" x 36"	PN: 096ZQZ-14001R20
144	12 x 12f Ribbons	004-291	13.3 (0.52)	266 (10.4) storage 532 (20.8) install	0.75	24" x 36"	PN: 144ZQZ-14001R20
192	96f Subunits 8 x 12f Ribbons	004-291	14.3 (0.56)	286 (11.2) storage 572 (22.4) install	0.75	24" x 36"	PN: 192ZQZ-14001R20
288	4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	14.8 (0.58)	296 (11.6) storage 592 (23.2) install	0.75	24" x 36"	PN: 288ZQZ-14001R20
432	4 x 12f Ribbons 14 x 24f Ribbons 4 x 12f Ribbons	004-291	16.5 (0.65)	330 (13) storage 660 (26) install	1	24" x 36"	PN: 432ZQZ-14001R20
576	3 x 24f Ribbons 12 x 36f Ribbons 3 x 24f Ribbons	004-291	19 (0.75)	380 (15) storage 760 (30) install	1	24" x 36"	PN: 576ZQZ-14001R20

864	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	22.8 (0.9)	684 (27)	1.25	30" x 60"	PN: 864ZQZ-14001R20 Not S-Z Stranded
1728	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	27.7 (1.1)	831 (32.7)	1.5	48" x 72"	PN: H28ZQZ-14001R20 Not S-Z Stranded
2880	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	34.6 (1.36)	1038 (40.9)	2	48" x 96"	PN: S80ZQZ-13001R20 Not S-Z Stranded
3456	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	34.6 (1.36)	1038 (40.9)	2	48" x 96"	PN: Y56ZQZ-14001R20 Not S-Z Stranded
6912	432f Subunits 4 x 12f Ribbons 14 x 24f Ribbons 4 x 12f Ribbons	004-291	38.3 (1.51)	1149 (45.2)	2	48" x 96"	PN: BMCZQZ-13041R20 Not S-Z Stranded Made with 200 µm ribbon

RocketRibbon® Indoor Riser-LSZH

Fiber Count Helical Subunits	Ribbon Stack Configuration	SRP	Nominal OD mm (in.)	Minimum Bend Diameter mm (in.)	Recommended Minimum Duct Size (in.)	Comments
Dielectric						
96	8 x 12f Ribbons	004-291	12.1 (0.47)	242 (9.4) storage 484 (19.1) install	0.75	PN: 096ZQZ-18001RYL
144	12 x 12f Ribbons	004-291	13.3 (0.52)	266 (10.4) storage 532 (20.8) install	0.75	PN: 144ZQZ-18001RYL
192	96f Subunits 8 x 12f Ribbons	004-291	14.3 (0.56)	286 (11.2) storage 572 (22.4) install	0.75	PN: 192ZQZ-18001RYL
288	4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	14.8 (0.58)	296 (11.6) storage 592 (23.2) install	0.75	PN: 288ZQZ-18001RYL
432	4 x 12f Ribbons 14 x 24f Ribbons 4 x 12f Ribbons	004-291	16.5 (0.65)	330 (13) storage 660 (26) install	1	PN: 432ZQZ-18001RYL
576	3 x 24f Ribbons 12 x 36f Ribbons 3 x 24f Ribbons	004-291	19 (0.75)	380 (15) storage 760 (30) install	1	PN: 576ZQZ-18001RYL
864	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	22.8 (0.9)	684 (27)	1.25	PN: 864ZQZ-18001RYL Not S-Z Stranded
1728	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	27.7 (1.1)	831 (32.7)	1.5	PN: H28ZQZ-18001RYL Not S-Z Stranded
2880	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	34.6 (1.36)	1038 (40.9)	2	PN: S80ZQJ-14001R20 Not S-Z Stranded
3456	288f Subunits 4 x 12f Ribbons 8 x 24f Ribbons 4 x 12f Ribbons	004-291	34.6 (1.36)	1038 (40.9)	2	PN: Y56ZQZ-18001RYL Not S-Z Stranded

Cable Installation References

[AE Note 165 – Cable Placing Checklist and Handling: Squirting, Tangling, and Storage](#)

[AE Note 166 – RocketRibbon® Extreme Density Cable Installation Checklist](#)

[AE Note 168 – Cable Placing in Duct – Methods & Equipment for Manholes and Vaults](#)

[AE Note 173 – Handling Preferential Bend Cables](#)

[SRP 004-086 – Mid-Span Coiling Procedure for SST-Ribbon Cable, SST-UltraRibbon Cable, RocketRibbon Cable and any Preferential Bend Cable](#)

[SRP-004-305 – Installing a Pulling Grip on Corning RocketRibbon 1728 XD Cable -200 Flow](#)

[SRP 005-011 – Duct Installation of Fiber Optic Cable](#)